Engineering Evaluation Report # 8100-012825

Prepared by:
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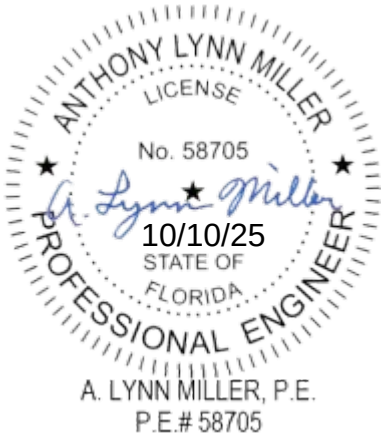
Manufacturer:
WinDoor, LLC
104 Triple Diamond Blvd.
North Venice, FL 34275
(833) 554-5432

Product Description:
8100 Series Aluminum, Large Missile Impact Resistant, HVHZ Sliding Glass Door – FL16755

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with the requirements of the current Florida Building Code.

Supporting Technical Documentation:
1. Approval Document: drawing number 8100FPA-LM-3, signed and sealed by A. Lynn Miller, P.E.
2. Test Report No.:
   a. NCTL 210-3570-3, 210-3570-4, 210-3643-1, 210-3643-2, 210-4035-01 & 210-3889-1 signed and sealed by Gerard J. Ferrara, P.E.
      National Certified Testing Laboratories, Orlando, FL.
      TAS 201-94, TAS 202-94, TAS 203-94
   b. NCTL 210-3570-1A, 210-3570-2A, 210-3570-3A, 210-3570-4A, 210-3643-1A, 210-3643-2A signed and sealed by Gerard J. Ferrara, P.E.
      National Certified Testing Laboratories, Orlando, FL.
      AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E1886-02/05, ASTM E1996-02/05
   c. ATI A2181.01-106-31 (Weather seal testing) signed and sealed by Gary Harman, P.E.
      AAMA 701/702-04 Performance Class D, Category A
   d. QAI 21-1218, 21-1241 & 22-1040 signed and sealed by Idalmis Ortega P.E.
      QAI Laboratories, Nokomis, FL.
      TAS 201-94, TAS 202-94, TAS 203-94
   e. Test Report QAI NOK-0011 signed and sealed by Idalmis Ortega, P.E.
      QAI Laboratories, Nokomis, FL.
      TAS 201-94, TAS 202-94, TAS 203-94
   f. Test Report QAI NOK-0032 & QAI NOK-0099 signed and sealed by Idalmis Ortega P.E.
      QAI Laboratories, Nokomis, FL.
      TAS 201-94, 202-94, 203-94
3. Anchor & Comparative Analysis Calculations, prepared, signed and sealed by A. Lynn Miller, P.E., signed 10/12/22
4. Diamond Glass Comparative Analysis Calculations, prepared by manufacturer, signed and sealed by A. Lynn Miller, P.E., signed 05/28/24

Limitations and Conditions of use:
- Units must be glazed per ASTM E1300-04/09, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame and panel material to be extruded aluminum 6063-T6.
- Units must be installed in accordance with Approval Documents.



SERIES 8100A IMPACT-RESISTANT 2, 3, 4 & 5 TRACK SLIDING GLASS DOOR W/WO EXT./INT. POCKETS; 0° (STRAIGHT), 90° OR 135° CONFIGURATIONS

FLORIDA PRODUCT APPROVAL #8078

DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1 - 19	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, (FBC), INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE A. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED IN INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. ANCHORS AND FRAME CORNERS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

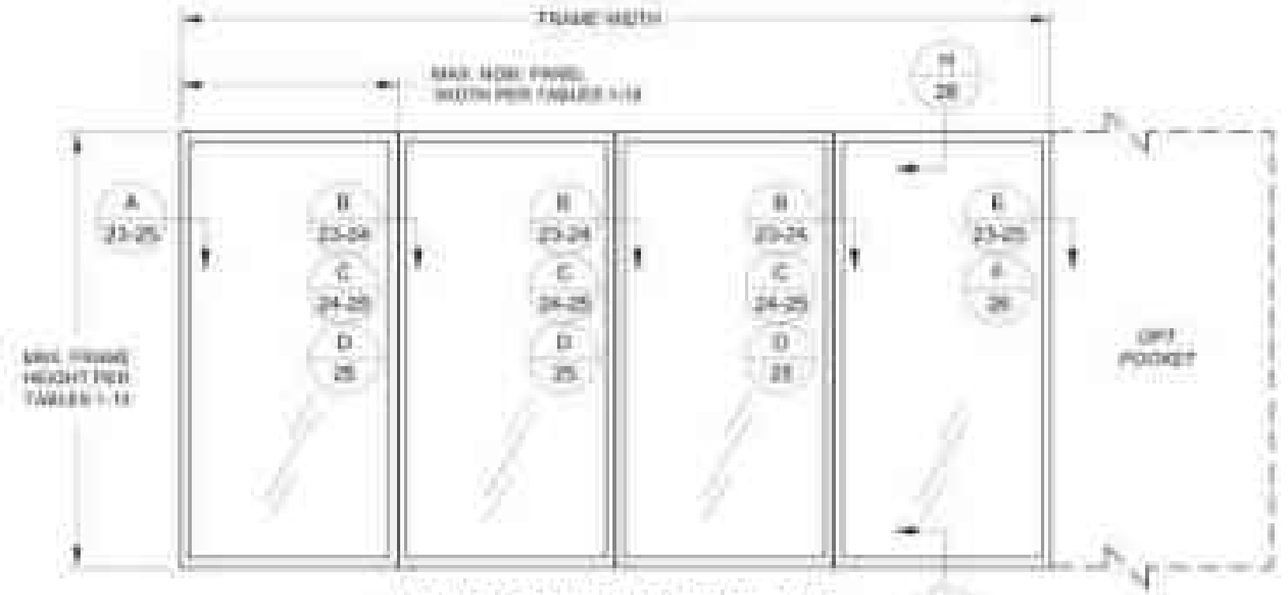
7) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE. ALL CONFIGURATIONS SHOWN ARE AVAILABLE AS MULTIPLE PANELS AND IN POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. MAXIMUM OVERALL FRAME SQUARE FOOTAGE IS 544.32 FT².

GENERAL NOTES	1
ANCHOR TYPES	2
DESIGN PRESSURES	3-21
GLAZING DETAILS	22
INSTALL. DETAILS	23-26
ANCHOR LOCATIONS	29
ANCHOR SPACING	30-32
EXTRUSIONS	33-37
BILL OF MATERIALS	38

ALSO SEE LIST OF TABLES ON SHEET 3.

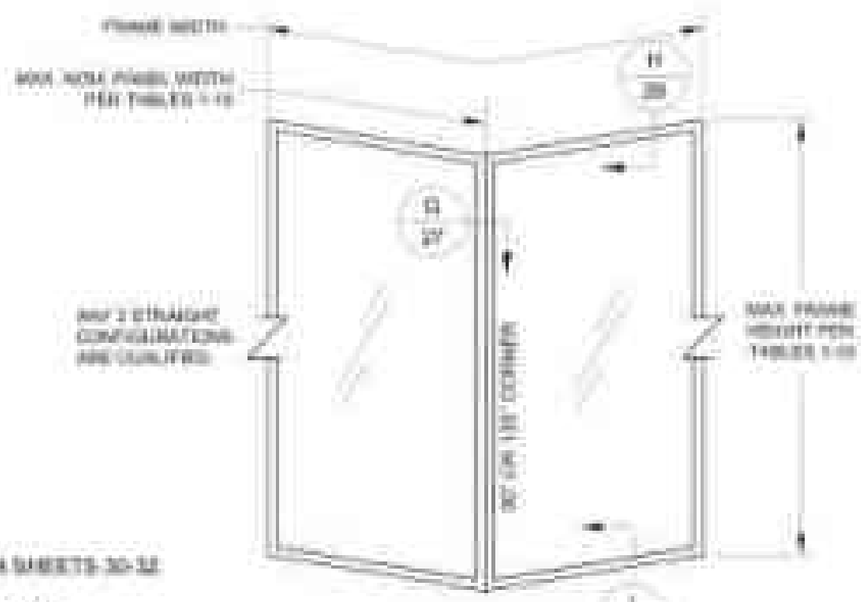
REVISIONS:

1) ADDED SHEETS 31 & 32.
2) ADDITIONAL ANCHOR CLUSTER LAYOUTS ON SHEETS 30-32.
3) ADDED SETTING BLOCKS TO SHEET 28.
5) REMOVED OPTIONAL FRAME ANCHOR LOCATIONS.
6) CLARIFIED CORNER ANCHOR DISTANCE ON SHEET 29.
7) ADDED GLASS TYPES 9-12 (1/4" TP CAP) TO DP TABLES AND SHEET 22.



4-PANEL CONFIGURATION, TYP.
ADDITIONAL PANEL(S) CONFIGURATIONS ALLOWED

1 28



CORNER, TYP.
OUTSIDE CORNER SHOWN
INSIDE CORNER SIMILAR

1 28

SEE REVISIONS SHEET FOR

DESIGNED BY:	A.LYNN MILLER
DRAWN BY:	
CHECKED BY:	
DATE:	02/11/10
SCALE:	NTS
ALUMAWORK 8100 SERIES GLASS DOOR (LM)	
ELEVATION & GENERAL NOTES	
SHEET NO.	1 OF 38
SSDERNA	
#100PA-LM3	

WINDOOR

PREPARED BY & CONTACT PERSON:
A. LYNN MILLER, P.E.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59708
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E. #59708

TABLE A

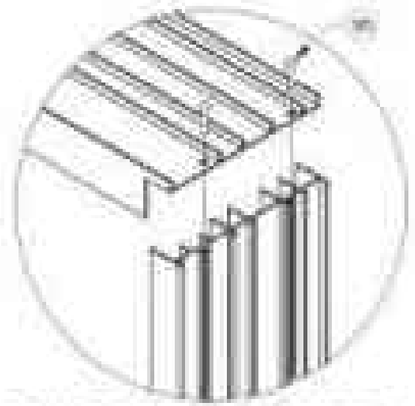
Anchor Group	Anchor Type	Substrate	Frame Member	Min. Edge Distance	Min O.C. Distance	Min. Embedment or Metal Thickness
A	#14 Steel SMS (Qr. 3) or #14 SS SMS	Southern Pine (SG = 0.55)	A6	5/8"	1"	1-1/8"
		6063-T5 Aluminum	A6	3/8"	1"	0.071"
		A36 Steel	A6	3/8"	1"	0.059"
		Steel Stud, Qr. 33	A6	3/8"	1"	0.043" 118 Ga.
	1/4" DeWalt UltraCon+	Southern Pine (SG = 0.55)	A6	1"	1"	1-3/8"
	1/4" 410 SS Elco CreteTen	Southern Pine (SG = 0.55)	A6	1"	1"	1-3/8"
	1/4" DeWalt UltraCon+	Concrete (min. 3.0 ksi)	A6	1-1/2"	1-1/2"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	1-1/2"	2-3/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	1-1/2"	2-3/16"	1-1/4"
B	1/4" DeWalt UltraCon+	Concrete (min. 3.0 ksi)	A6	2-1/2"	1-1/2"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	2-1/2"	2-3/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	2-1/2"	3"	1-1/4"
	1/4" 410 SS Elco CreteTen	Concrete (min. 3.35 ksi)	A6	2-1/2"	3"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	2-1/2"	2-3/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	2-1/2"	3"	1-1/4"

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE ANCHOR GROUP, CHOOSE THE ANCHOR GROUP THAT REQUIRES THE GREATEST QUANTITY OF ANCHORS IN TABLES 1-19.
2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
3) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

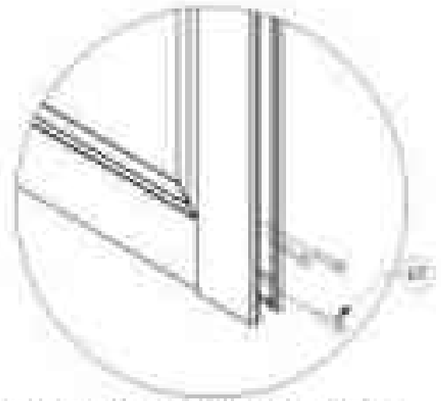
TABLE B

Index to DP-Anchor Quantity Tables					
Table #	Sheet #	Door Configuration Angle	Glass Types	Interlock Type	Stile Reinf. Required
1	3	0°	2, 4, 5, 6, 10 & 11	Standard	Yes
2	4	90°	2, 4, 5, 6, 10 & 11	Standard	Yes
3	5	135°	2, 4, 5, 6, 10 & 11	Standard	Yes
4	6	0°	1, 2 & 9	Standard	No
5	7	0°, 90° or 135°	2, 4, 5, 6, 10 & 11	Standard	No
6	8	0°	5, 6 & 11	Standard	Yes, Qty.
7	9	0°	1, 2 & 9	Narrow	No
8	10	0°	2, 4, 5, 6, 10 & 11	Narrow	Yes*
9	11	90° or 135°	1, 2 & 9	Narrow	Yes*
10	12	90° or 135°	2, 4, 5, 6, 10 & 11	Narrow	Yes*
11	13	0°, 90° or 135°	2, 4, 5, 6, 10 & 11	Narrow	No
12	14	0°	7, 9 & 12	Standard	No
13	15	90° or 135°	7, 9 & 12	Standard	No
14	16	0° or 90°	7, 9 & 12	Standard	Yes
15	17	135°	7, 9 & 12	Standard	Yes
16	18	0°	7, 9 & 12	Narrow	No
17	19	90° or 135°	7, 9 & 12	Narrow	No
18	20	0°	7, 9 & 12	Narrow	Yes*
19	21	90° or 135°	7, 9 & 12	Narrow	Yes*

* REINFORCEMENT REQUIRED IN STILES OTHER THAN THE NARROW INTERLOCK STILE.



FRAME CORNER ASSEMBLY
2 TRACK SHOWN, OTHERS SIMILAR



PANEL CORNER ASSEMBLY
STANDARD BOTTOM RAIL



PANEL CORNER ASSEMBLY
TALL BOTTOM RAIL

SEE REVISION SHEET 1 OF 1 | 03/10/23 | F

PREPARED BY: A.L.LYNN MILLER
STATE CERTIFICATE OF AUTHORIZATION NO.
ADDRESS
TELEPHONE NO.
E-MAIL ADDRESS

DRAWN BY:	JRS	R100FPA-LM3
CHECKED BY:	ALM	
ANCHOR TYPES / TABLE INDEX		3 OF 10
ALUMINUM SLIDING GLASS DOOR (LM)		SSDS100A

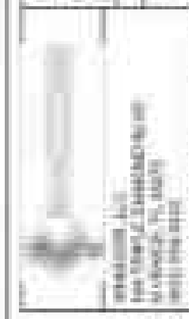




TABLE 1
IP Unreinforced
Reinforced Stiles
(Mark: 3, 4, 5, 6, 10, 11)

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Panel O.A.D. Width / Anchor Location

Stile/Rail Interface		30" (Nom.) 29-5/16" (O.A.D.)				42" (Nom.) 41-5/16" (O.A.D.)				48" (Nom.) 47-5/16" (O.A.D.)				54" (Nom.) 53-5/16" (O.A.D.)				60" (Nom.) 59-5/16" (O.A.D.)				72" (Nom.) 71-5/16" (O.A.D.)				78" (Nom.) 77-5/16" (O.A.D.)				84" (Nom.) 83-5/16" (O.A.D.)			
Frame Height	Anchor Qty @	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster	MP/Point	Quarter	Jamb	Cluster
Design Pressure		+131.2/-156				+128.3/-156				+126.2/-156				+125.8/-156				+125.2/-156				+123.3/-156.2				+109/-129				+117.9/-153.6			
60"	A	2	6	10	8	4	8	10	7	4	8	10	7	4	8	10	8	6	9	11	9	5	8	12	9	5	8	12	8	5	9	10	7	6	9	12	7
	B	2	6	10	6	3	6	10	6	4	7	10	7	4	6	10	7	5	6	11	7	4	6	11	7	4	6	10	7	4	6	10	6	4	6	11	6
Design Pressure		+128.2/-156				+125.3/-156				+123.2/-156				+122.8/-156				+122.2/-156				+120.3/-156.2				+106.1/-129				+115.1/-153.6			
64"	A	2	6	10	7	4	9	10	7	4	8	10	8	4	8	10	8	6	11	10	8	6	9	10	8	6	8	10	8	6	8	10	8	7	9	10	7
	B	2	6	10	6	2	6	10	7	4	8	10	7	4	8	10	8	4	8	11	8	4	8	10	7	4	8	10	7	4	8	10	7	4	8	10	7
Design Pressure		+125.3/-150				+125.3/-150				+125.2/-150				+125.2/-150				+125.2/-150				+125.2/-150				+106.1/-129							
80"	A	2	6	10	7	4	8	10	8	4	10	10	8	4	10	12	8	6	10	12	9	6	9	12	8	6	9	14	8								
	B	2	8	10	6	2	8	10	7	4	8	10	8	4	8	12	8	4	8	12	8	4	7	10	7	4	8	12	7								
Design Pressure		+125.3/-150				+125.3/-150				+125.2/-150				+125.2/-150				+125.2/-150				+125.2/-150											
96"	A	2	8	12	8	4	10	12	9	4	10	12	8	4	10	12	9	6	8	12	9	6	9	12	9												
	B	2	8	12	7	2	8	12	8	4	8	12	8	4	8	12	8	4	8	12	7	4	8	12	7												
Design Pressure		+125.3/-150				+125.3/-150				+125.2/-150				+125.2/-150				+125.2/-150															
100"	A	2	8	12	8	4	10	12	8	4	10	12	9	4	10	12	9	6	8	12	9																
	B	2	8	12	7	2	8	12	8	4	8	12	8	4	8	12	8	4	8	12	7																
Design Pressure		+125.3/-150				+125.2/-150.2				+125.2/-150.2				+125.2/-150				+125.2/-150															
108"	A	2	8	12	8	4	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8																
	B	2	8	12	7	2	8	12	8	4	8	12	8	4	8	12	7	4	8	12	7																
Design Pressure		+125.3/-149.2				+125.3/-150.2				+117.2/-117.2				+82/-92				-89.7/-92 *															
114"	A	2	10	14	8	2	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8																
	B	2	8	12	8	2	8	12	8	2	8	12	8	2	8	12	7	4	8	12	7																
Design Pressure		+128.3/-150				+125.3/-150.2				+100/-110				+80/-89				-50/-92															
120"	A	2	10	14	8	2	10	14	9	4	10	14	9	4	8	14	8	4	8	14	8																
	B	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8	4	8	14	8																
Design Pressure		+131.7/-173.7				+109.4/-109.4				+82.7/-82.7				+75.4/-75.4																			
126"	A	2	10	14	9	2	8	14	8	2	8	14	8	2	8	14	8																				
	B	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8																				
Design Pressure		+104.4/-104.4				+82.7/-82.7				+77.6/-77.6				+65.6/-65.6																			
138"	A	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8																				
	B	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8																				
Design Pressure		-82.3/-82.3				-82.3/-82.3				+73.7/-73.7 *																							
144"	A	2	8	14	8	2	8	14	8	2	8	14	8																								
	B	2	8	14	8	2	8	14	8	2	8	14	8																								
Design Pressure		+68.8/-82.3				+82/-92				+73/-73																							
168"	A	2	8	16	8	2	8	16	8	2	8	16	8																								
	B	2	8	16	8	2	8	16	8	2	8	16	8																								

HEADER/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/SILL REQUIRED AT THE MEETING POINT OF PANELS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

HEADER/SILL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDPOINT OF PANEL

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

TABLE 1A
Water-Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+100 psf
33	4-1/4"	+125.3 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 1 AND TABLE 1A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 1 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE REVISION SHEET A-3R

ALUMINUM SLIDING GLASS DOOR			
BP AND ANCHOR QTY TABLE			
SGDSERIA	3 OF 35		R10SPA-LM3

PREPARED BY: A. LYNN MILLER
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 56708

TABLE 2
90° Configuration
Reinforcement Below
Optional Notes: 3, 4, 6, 8, 10, 11

Design Pressure and Anchor Quantities Required

Nominal Frame Width / Panel (A/C) Width / Anchor Location

Panel(s) Inboard		30" (Nom.) 29-5/16" (A/C)				42" (Nom.) 41-5/16" (A/C)				48" (Nom.) 47-5/16" (A/C)				60" (Nom.) 59-5/16" (A/C)				62" (Nom.) 61-5/16" (A/C)				69" (Nom.) 68-5/16" (A/C)				72" (Nom.) 71-5/16" (A/C)				78" (Nom.) 77-5/16" (A/C)				90" (Nom.) 89-5/16" (A/C)			
Frame Height	Anchor Group	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip	Sill/Rail	Cluster	Jamb	Hook Strip
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+117.8/-117.8							
80"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	7	6	6	12	7	6	6	10	7	6	6	10	7	6	6	10	7
	B	2	4	10	6	2	4	10	6	2	5	10	6	4	5	10	6	4	6	10	6	4	6	12	6	6	6	10	6	6	6	10	6	6	6	10	6
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+113.5/-113.5							
84"	A	4	6	10	6	2	6	10	6	4	6	10	6	4	6	10	7	4	6	10	7	6	6	12	6	6	6	10	6	6	6	10	6	6	6	10	7
	B	2	4	10	6	2	6	10	6	2	6	10	6	4	5	10	6	4	6	10	6	4	6	12	7	6	6	10	7	6	6	10	7	6	6	10	7
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+114.8/-114.8				+111.3/-111.3				+108.4/-108.4											
92"	A	2	6	10	6	2	6	10	6	4	6	10	7	4	6	10	7	4	6	10	6	4	6	10	6	6	6	10	6	6	6	10	6				
	B	2	6	10	6	2	6	10	6	4	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	6	6	10	7								
Design Pressure		+120/-120				+120/-120				+108.2/-120				+102.7/-120				+100.2/-108.9				+100.7/-102.7				+96.8/-96.8											
96"	A	2	6	10	7	2	6	10	7	4	6	10	8	4	6	10	8	4	6	10	8	4	6	10	8	6	6	10	8								
	B	2	6	10	7	2	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	6	6	10	7								
Design Pressure		+120/-120				+120/-120				+113.7/-113.7				+105.2/-105.2				+102.7/-102.7				+96.8/-96.8															
102"	A	2	6	10	7	2	6	10	7	4	6	10	8	4	6	10	8	4	6	10	8	4	6	10	8	6	6	10	8								
	B	2	6	10	7	2	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	6	6	10	7								
Design Pressure		+120/-120				+120/-120				+110.7/-110.7				+102.7/-102.7				+100.2/-100.2																			
108"	A	2	6	10	7	2	6	10	7	4	6	10	8	4	6	10	8	4	6	10	8	4	6	10	8												
	B	2	6	10	7	2	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7	4	6	10	7												
Design Pressure		+120/-120				+114.8/-114.8				+108.2/-108.2				+100.2/-100.2																							
114"	A	2	6	10	8	2	6	10	8	2	6	10	9	4	6	10	9	4	6	10	9																
	B	2	6	10	7	2	6	10	7	2	6	10	7	4	6	10	7	4	6	10	7																
Design Pressure		+117.5/-117.5				+112.5/-112.5				+102.5/-102.5				+92.5/-92.5																							
120"	A	2	6	10	8	2	6	10	8	2	6	10	9	4	6	10	9																				
	B	2	6	10	8	2	6	10	8	2	6	10	8	4	6	10	8																				
Design Pressure		+97.2/-98.2				+96.9/-96.9				+77.5/-77.5				+67.5/-67.5																							
126"	A	2	6	10	8	2	6	10	8	2	6	10	9	4	6	10	9																				
	B	2	6	10	8	2	6	10	8	2	6	10	8	4	6	10	8																				
Design Pressure		+90.2/-90.2				+82.5/-82.5				+72.5/-72.5																											
132"	A	2	6	10	8	2	6	10	8	2	6	10	9																								
	B	2	6	10	8	2	6	10	8	2	6	10	8																								
Design Pressure		+88.8/-88.8				+75/-75				+70/-70																											
144"	A	2	6	10	8	2	6	10	8	2	6	10	9																								
	B	2	6	10	8	2	6	10	8	2	6	10	8																								

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

THE MAXIMUM DP AT THIS SIZE ADJUSTOMATIC. THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

TABLE 2A
Water-Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+100 psf
33	4-1/4"	+120 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 2 AND TABLE 2A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 2 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

F	03/10/23	SEE REVISIONS SHEET 1 OF 1		
E	01/11/23		JENS ROSOWSKY	R10SFPA-LW3
D	08/10/22			
C	05/26/22	ALUMINUM SLIDING GLASS DOOR	DP AND ANCHOR QTY TABLE	SSDSW4A



TABLE 3
"DP" Configuration
Reinforced Wall
Class: 3, 4, 5, 6, 10, 11

Design Pressure and Anchor Quantities Required

Head of Panel Width / Panel DLO Width / Anchor Location

Standard Interlock	30" (Nom.) 28-9/16" (DLO)				42" (Nom.) 34-9/16" (DLO)				48" (Nom.) 40-9/16" (DLO)				54" (Nom.) 46-9/16" (DLO)				60" (Nom.) 52-9/16" (DLO)				66" (Nom.) 58-9/16" (DLO)				72" (Nom.) 64-9/16" (DLO)				78" (Nom.) 70-9/16" (DLO)				84" (Nom.) 76-9/16" (DLO)			
Frame Height	Anchor Group	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement	Jamb	Cluster	Head or Sill	Header/Sill Reinforcement
Design Pressure		+105/-108				+105/-108				+105/-108				+105/-108				+105/-108				+105/-108				+105/-108				+105/-108				+105/-108			
60"	A	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
	B	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105				+105/-105				+105/-105				+105/-105				+105/-105							
64"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6								
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6								
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105				+105/-105				+105/-105															
66"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6												
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6												
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105				+105/-105																			
100"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6																
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6																
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105																							
108"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105																							
114"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
Design Pressure		+105/-105				+105/-105				+105/-105				+105/-105																							
120"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
	B	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6																				
Design Pressure		+105/-105				+105/-105				+105/-105																											
126"	A	2	6	10	6	2	6	10	6	4	6	10	6																								
	B	2	6	10	6	2	6	10	6	4	6	10	6																								
Design Pressure		+105/-105				+105/-105				+105/-105																											
144"	A	2	6	10	6	2	6	10	6	4	6	10	6																								
	B	2	6	10	6	2	6	10	6	4	6	10	6																								

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES - THIS SHEET

HEADER/SILL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MID-SPAN OF PANEL

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

HEADER/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/SILL PERPENDICULAR TO THE GLASS

TABLE 3A
Water-Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+100 psf
33	4-1/4"	+105 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 3 AND TABLE 3A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 3 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SITE REVIEWED - SHEET A-3R 03/10/23 F

ALUMINUM SLIDING GLASS DOOR (LM)
DP AND ANCHOR QTY TABLE
SGDS 9/03A
6 OF 36
R10SFPA-LM3

AMERICAN LYNX ALLIANCE
LICENSED
No. 58708
PROFESSIONAL ENGINEER
STATE OF FLORIDA

TABLE 4

2" Corporative Non-Impact Mullion
Class 1, 2 & 3

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Anchor Location

Standard Interior		16" (Nom.) 406 mm				40" (Nom.) 1016 mm				48" (Nom.) 1219 mm				64" (Nom.) 1626 mm				80" (Nom.) 2032 mm				96" (Nom.) 2438 mm				120" (Nom.) 3048 mm			
Frame Height	Anchor Setup	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL	MF/Jamb	Cluster	Jamb	HSP/HSL
Design Pressure		+105/-105				+104/-104				+104/-104				+104/-104				+104/-104				+104/-104				+104/-104			
60"	A	2	4	10	6	2	6	12	6	2	8	10	6	4	6	10	6	4	6	10	6	4	6	10	6	6	8	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	6	10	6	4	6	10	6
Design Pressure		+105/-105				+104/-104				+104/-104				+104/-104				+104/-104											
64"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	6	10	6				
Design Pressure		+105/-105				+104/-104				+104/-104				+104/-104															
80"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6								
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
Design Pressure		+105/-105				+104/-104				+104/-104				+104/-104															
96"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6												
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6												
Design Pressure		+105/-105				+104/-104				+104/-104				+104/-104															
112"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6												
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6												
Design Pressure		+105/-105				+104/-104				+104/-104																			
128"	A	2	6	10	6	2	6	10	6	2	6	10	6																
	B	2	4	10	6	2	4	10	6	2	4	10	6																
Design Pressure		+105/-105				+104/-104				+104/-104																			
144"	A	2	6	10	6	2	6	10	6	2	6	10	6																
	B	2	4	10	6	2	4	10	6	2	4	10	6																
Design Pressure		+105/-105				+104/-104				+104/-104																			
160"	A	2	6	10	6	2	6	10	6	2	6	10	6																
	B	2	4	10	6	2	4	10	6	2	4	10	6																
Design Pressure		+105/-105				+104/-104																							
176"	A	2	6	10	6	2	6	10	6																				
	B	2	4	10	6	2	4	10	6																				
Design Pressure		+105/-105				+104/-104																							
192"	A	2	6	10	6	2	6	10	6																				
	B	2	4	10	6	2	4	10	6																				

THE MINIMUM OF AT THE SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES 3, THIS SHEET

HSP/HSL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MEP/MSL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDPOINT OF PANEL

TABLE 4A

Water-Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+100 psf
33	4-1/4"	+120 psf

FIG 1

DH LENGTH

DH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (DH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF TABLE 4 AND TABLE 4A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 4 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2.5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE REVISIONS SHEET A-JR

ALUMINUM SLIDING GLASS DOOR	
DP AND ANCHOR QTY TABLE	
6063-T5	
6 OF 35	
R108-PA-LW3	

PREPARED BY: ALLYNN MILLER
ARCHITECTURAL DESIGNER
PRODUCT ENGINEERING
CHECKED BY: JENS ROSDAHL
DATE: 03/17/21
SCALE: 1" = 1'-0"
DRAWING NUMBER: R108-PA-LW3
REVISIONS: 1) 03/17/21 - ADDED TABLE 4A

ALLYNN MILLER
LICENSE
No. 92708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.

TABLE 5
0°, 90° & 135° Entry
Non-vent Sizes
(See: 3, 4, 5, 6, 10, 11)

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Panel Width / Inches (meters)

Standard Interlock		36" (Nom.) 35-5/16" (0.9 m)				42" (Nom.) 41-5/16" (1.0 m)				48" (Nom.) 47-5/16" (1.2 m)				54" (Nom.) 53-5/16" (1.4 m)				60" (Nom.) 59-5/16" (1.5 m)				72" (Nom.) 71-5/16" (1.8 m)				78" (Nom.) 77-5/16" (2.0 m)				84" (Nom.) 83-5/16" (2.1 m)			
Frame Height	Anchor Head	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster	Head/Sill	Jamb	Mullion	Cluster
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50			
0°	A	2	4	10	5	2	4	10	5	2	4	10	5	3	4	10	6	3	4	10	6	4	4	10	7	4	4	10	7	5	5	10	8
	B	3	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	8	4	4	10	8	6	5	10	8
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50			
90°	A	2	5	10	6	2	4	10	6	2	4	10	6	3	4	10	6	3	4	10	6	4	4	10	7	4	4	10	7	5	5	10	8
	B	3	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	8	4	4	10	8	6	5	10	8
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50											
90°	A	2	4	10	7	2	4	10	6	2	4	10	6	3	4	10	6	3	4	10	6	4	4	10	7	4	4	10	7				
	B	2	4	10	7	2	4	10	7	2	4	10	6	3	4	10	6	3	4	10	6	4	4	10	8	4	4	10	8				
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50											
90°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7				
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7				
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50																			
112°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50																			
120°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50																			
135°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7												
Design Pressure		+50 / -50				+50 / -50				+50 / -50																							
150°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7																
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7																
Design Pressure		+50 / -50				+50 / -50				+50 / -50																							
165°	A	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7																
	B	2	4	10	7	2	4	10	7	2	4	10	7	3	4	10	7																

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

HEADER/HP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/HP PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

HEP/SHEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE HEADER OF PANEL

TABLE 5A
Water Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+75 psf
32	3-1/2"	+75 psf
33	4-1/4"	+75 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 5 AND TABLE 5A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 5 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE REVISIONS SHEET 1 OF 1

F	03/10/23		
		JENS ROSOWSKY	R109PA-LM3
	07/11/22		
			7 OF 35
		BP AND ANCHOR QTY TABLE	
		ALUMINUM SLIDING GLASS DOOR	SGDSERIA

PREPARED BY:
JENS ROSOWSKY
6175 BARFIELD ROAD
ATLANTA, GA 30328
(404) 252-2440

PREPARED FOR:
MI WINDOWS AND DOORS, LLC
2650 EAST PARIS AVENUE SE
KENTWOOD, MI 49512
(616) 698-7500



TABLE 6
3' Configuration
Double Rigid Stiles
Opens: 1, 2 & 3

Design Pressure and Anchor Quantities Required

Optional Panel Width / Panel Qty. Width / Anchor Locations

Standard Interlock		30" (Nom.) 2'-6 1/2" (Exact)				40" (Nom.) 3'-4 1/2" (Exact)				48" (Nom.) 4'-0 1/2" (Exact)				54" (Nom.) 4'-6 1/2" (Exact)				59" (Nom.) 4'-11 1/2" (Exact)				67" (Nom.) 5'-6 1/2" (Exact)				72" (Nom.) 6'-0 1/2" (Exact)				79" (Nom.) 6'-7 1/2" (Exact)				91" (Nom.) 7'-7 1/2" (Exact)			
Frame Height	Anchor Series	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor	Jamb Anchor	Jamb Anchor	Head Anchor	Head Anchor
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
72"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
	B	3	4	10	6	3	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
84"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
	B	3	4	10	6	3	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
90"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
	B	3	4	10	6	3	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
102"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7	6	6	12	7
	B	3	6	12	7	3	6	12	7	3	6	12	7	3	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7	6	6	12	7
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70											
108"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7								
	B	3	6	12	7	3	6	12	7	3	6	12	7	3	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7								
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70															
114"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7												
	B	3	6	12	7	3	6	12	7	3	6	12	7	3	6	12	7	4	6	12	7	4	6	12	7												
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70															
120"	A	2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9								
	B	3	6	14	9	3	6	14	9	3	6	14	9	3	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9								
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70																			
126"	A	2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9	4	6	14	9	4	6	14	9												
	B	3	6	14	9	3	6	14	9	3	6	14	9	3	6	14	9	4	6	14	9	4	6	14	9												
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70																			
132"	A	2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9	4	6	14	9	4	6	14	9												
	B	3	6	14	9	3	6	14	9	3	6	14	9	3	6	14	9	4	6	14	9	4	6	14	9												
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70																			
144"	A	2	6	16	9	2	6	16	9	3	6	16	9	3	6	16	9	4	6	16	9	4	6	16	9												
	B	3	6	16	9	3	6	16	9	3	6	16	9	3	6	16	9	4	6	16	9	4	6	16	9												

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

HEADSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADSTRIP PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

SHDP/SILL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MID-SPAN OF PANEL

TABLE 6A
Water Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+70 psf
32	3-1/2"	+70 psf
33	4-1/4"	+70 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF TABLE 6 AND TABLE 6A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 6 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

ARCHITECTURAL GLASS DOOR SYSTEMS
ALUMINUM SLIDING GLASS DOOR
JENS ROSKOWSKI
01/11/10
R10SFPA-LW3
SCALE: NTS
SHEET 6 OF 35
DP AND ANCHOR QTY TABLE
SIDE REVIEWING SHEET 1-JR
03/10/25
F



TABLE 7

Design Pressure and Anchor Quantities Required

Frame Height	Anchor Rating	Nominal Panel Width / Panel DLO Width / Anchor Locations																					
Maximum Inches		30" (Nom.) / 29" (DLO)				42" (Nom.) / 41" (DLO)				48" (Nom.) / 47" (DLO)				54" (Nom.) / 53" (DLO)				60" (Nom.) / 59" (DLO)				"C" (Nom.) / 69" (DLO)			
		Jamb/Panel	Cluster	Jamb	Horizontal	Jamb/Panel	Cluster	Jamb	Horizontal	Jamb/Panel	Cluster	Jamb	Horizontal	Jamb/Panel	Cluster	Jamb	Horizontal	Jamb/Panel	Cluster	Jamb	Horizontal	Jamb/Panel	Cluster	Jamb	Horizontal
Design Pressure		+50/-55				+45/-50				+40/-45				+36/-41				+32/-36				+28/-33			
80"	A	2	4	12	8	2	4	10	8	2	4	10	8	4	6	10	8	4	6	10	8	6	6	12	8
	B	2	4	10	8	2	4	10	8	2	4	10	8	2	4	10	8	4	6	10	8	6	6	10	8
Design Pressure		+50/-55				+45/-50				+40/-45				+36/-41				+32/-36							
84"	A	2	6	12	6	2	6	10	6	2	6	12	6	4	6	12	6	4	6	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	6	10	6	4	6	10	6				
Design Pressure		+50/-55				+45/-50				+40/-45				+36/-41											
92"	A	2	6	12	6	2	6	10	6	2	6	12	6	4	6	12	6								
	B	2	4	10	6	2	4	10	6	2	6	12	6	2	6	12	6								
Design Pressure		+50/-55				+45/-50				+40/-45				+36/-41											
96"	A	2	6	12	6	2	6	10	6	2	6	12	6	4	6	12	6								
	B	2	4	10	6	2	4	10	6	2	6	12	6	2	6	12	6								
Design Pressure		+50/-55				+45/-50				+40/-45															
100"	A	2	6	12	7	3	6	12	7	2	6	12	7	4	6	12	7								
	B	2	4	12	7	3	6	12	7	3	6	12	7	4	6	12	7								
Design Pressure		+50/-55				+45/-50				+40/-45															
112"	A	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	6	12	7	2	6	12	7	2	6	12	7												
Design Pressure		+50/-55				+45/-50				+40/-45															
120"	A	2	6	14	8	2	6	14	8	2	6	14	8												
	B	2	6	14	8	2	6	12	8	2	6	14	8												
Design Pressure		+50/-55				+45/-50																			
128"	A	2	6	14	8	2	6	14	8																
	B	2	4	14	8	2	4	14	8																
Design Pressure		+50/-55				+45/-50																			
132"	A	2	6	14	8	2	6	14	8																
	B	2	4	14	8	2	4	14	8																
Design Pressure		+50/-55																							
136"	A	2	6	14	8																				
	B	2	4	14	8																				
Design Pressure		+50/-55																							
144"	A	2	6	16	8																				
	B	2	4	16	8																				

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES ON THIS SHEET

FIG 1

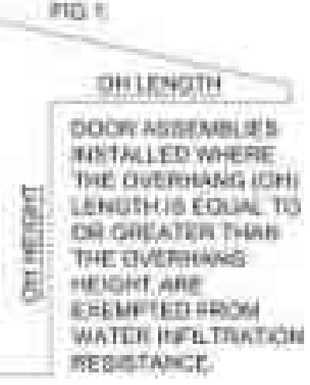


TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 7 AND TABLE 7A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 7 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2.5 TRACKS AND ALL PANEL CONFIGURATIONS.

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 4 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDPOINT OF PANEL

TABLE 7A

Water Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+80 psf
33	4-1/4"	+80 psf

SEE REVISIONS SHEET 1 OF 1

R108FA-LM3			
JENS ROSOWSKY			
02/10/23			
SEE	1	OF	35
SSD21WA			

ALUMINUM SLIDING GLASS DOOR

DP AND ANCHOR QTY TABLE



TABLE 8

IF Configuration Reinforcement Sites Grade: 2, 4, 5, 8, 10, 11

Design Pressure and Anchor Quantities Required

Opening Panel Width / Panel (SLD Width) - Anchor Location

Frame Height	Anchor Detail	30" (Nom.) 27" (SLD)				40" (Nom.) 36" (SLD)				48" (Nom.) 44" (SLD)				54" (Nom.) 48" (SLD)				66" (Nom.) 54" (SLD)				80" (Nom.) 72" (SLD)				94" (Nom.) 84" (SLD)				112" (Nom.) 96" (SLD)				134" (Nom.) 120" (SLD)			
		MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill	MI Frame	Cluster	Jamb	Header/Sill
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
60"	A	2	4	10	6	2	4	10	5	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	5	4	4	10	5	4	4	10	5	5	4	10	6
	B	2	4	10	6	2	4	10	5	3	4	10	5	3	4	10	6	4	4	10	6	4	4	10	5	4	4	10	5	4	4	10	5	5	4	10	6
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
84"	A	2	4	10	6	2	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	5	4	10	6
	B	2	4	10	6	2	4	10	6	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	5	4	10	6
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
90"	A	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	5	4	10	7
	B	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	5	4	10	7
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
102"	A	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	5	4	10	7
	B	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7	5	4	10	7
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70											
114"	A	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7								
	B	2	4	10	7	2	4	10	7	3	4	10	7	3	4	10	7	4	4	10	7	4	4	10	7	4	4	10	7								
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70															
120"	A	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8	4	4	10	8	4	4	10	8												
	B	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8	4	4	10	8	4	4	10	8												
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70				+50/-70																			
132"	A	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8	4	4	10	8																
	B	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8	4	4	10	8																
Design Pressure		+70/-70				+50/-70				+50/-70				+50/-70																							
144"	A	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8																				
	B	2	4	10	8	2	4	10	8	3	4	10	8	3	4	10	8																				

HEADER/SILL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

HEADER/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/SILL PERPENDICULAR TO THE GLASS

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

TABLE 8A

FIG 1

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 8 AND TABLE 8A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED, IF SO, +DP'S FROM ONLY TABLE 8 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

F	SITE REVIEW SET - SUBMITTAL	03/13/25	
	R108FA-LWS		
	JENS ROSOWSKY		
	01/11/22		
	AL LUMINUM SLIDING GLASS DOOR		
	DP AND ANCHOR QTY TABLE		
	SSDER08A		10 OF 36

ARMANDO LYNN MILLER
LICENSE
No. 90708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 90708

TABLE 9
W or (3)= Only Reinforced Stiles
Glass 1, 2 & 3

Design Pressure and Anchor Quantities Required

Narrow Panel (NP-SL) / Panel (SL) Width / Anchor Location

Frame Height	Anchor Group	30" (Nom.) 10" (SLO)				42" (Nom.) 22" (SLO)				48" (Nom.) 28" (SLO)				54" (Nom.) 34" (SLO)				60" (Nom.) 40" (SLO)				66" (Nom.) 46" (SLO)				72" (Nom.) 52" (SLO)			
		MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP	MP/HS	JAMB	SILL	HOOKSTRIP
Design Pressure		+30/-120				+60/-120				+60/-100				+60/-100				+60/-100				+60/-100				+60/-100			
90"	A	2	4	10	6	2	6	10	8	4	6	10	6	4	6	10	6	4	8	10	8	4	8	10	8	6	8	10	8
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6
Design Pressure		+30/-120				+60/-120				+60/-100				+60/-100				+60/-100				+60/-100							
96"	A	2	6	10	6	2	6	10	8	4	6	10	6	4	6	10	6	4	8	10	8	4	8	10	8				
	B	4	4	10	4	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6				
Design Pressure		+30/-120				+60/-120				+60/-100				+60/-100				+60/-100											
98"	A	2	6	10	6	2	6	10	8	4	6	10	6	4	6	10	6	4	8	10	8								
	B	2	4	10	6	2	6	10	8	2	6	10	6	4	6	10	6	4	6	10	6								
Design Pressure		+30/-120				+60/-120				+60/-100				+60/-100															
100"	A	2	6	10	6	2	6	10	8	4	6	10	6	4	6	10	6												
	B	2	4	10	6	2	6	10	8	2	6	10	6	4	6	10	6												
Design Pressure		+30/-120				+60/-120				+60/-100																			
102"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
104"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
108"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
110"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
114"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
116"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
118"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
120"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
122"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
124"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
126"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
128"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
130"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
132"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
134"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
136"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
138"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																
Design Pressure		+30/-120				+60/-120				+60/-100																			
140"	A	2	6	10	6	2	6	10	8	4	6	10	6																
	B	2	4	10	6	2	6	10	8	2	6	10	6																

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MP/HMS = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDDLE(s) OF PANEL

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE NOTES, THIS SHEET.

FIG 1



TABLE NOTES:

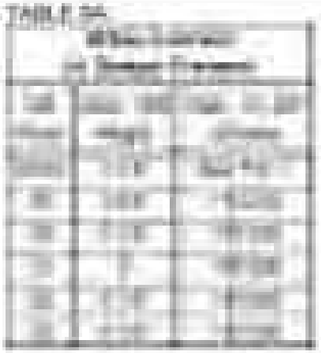
1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 9 AND TABLE 9A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 9 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2.5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE 9A



SEE REVISIONS SHEET 1 OF 2

R108FA-LWS		
JENS ROSOWSKY	02/11/19	
ALUMINUM SLIDING GLASS DOOR		11 OF 36
DP AND ANCHOR QTY TABLE		
5508WMA		

ANTHONY ALLYNN MILLER
LICENSE
No. 92708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 92708

TABLE 10
90° or 180° Cavity Reinforced Stiles
Glass: 3, 4, 5, 6, 10, 11

Design Pressure and Anchor Quantities Required

Narrow Frame Width / Panel (3/4) Width / Anchor Location

Mullion Angle	30° (Note)				45° (Note)				60° (Note)				90° (Note)				120° (Note)				135° (Note)				150° (Note)			
	30° (ΔL/2)				90° (ΔL/2)				45° (ΔL/2)				45° (ΔL/2)				60° (ΔL/2)				75° (ΔL/2)				75° (ΔL/2)			
Frame Height	Anchor Desig.	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header	Mullion	Outrig.	Jamb	Header
Design Pressure		+75/-74				+75/-70				+70/-70				+70/-70				+70/-70				+70/-70				+70/-70			
90"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70				+70/-70				+70/-70				+70/-70			
96"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	6	4	10	6
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70				+70/-70											
90"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70				+70/-70											
96"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70				+70/-70											
108"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70				+70/-70											
114"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70															
120"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
Design Pressure		+70/-70				+70/-70				+70/-70				+70/-70															
126"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

HEADER/HP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/HP PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

TABLE 10A

FIG 1

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 10 AND TABLE 10A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 10 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE REVISIONS SHEET 1 OF 1

R10SPA-LW3	JENS ROSOWSKI	03/10/15
SSDS1100A	DP AND ANCHOR QTY TABLE	12 OF 36

ALUMINUM SLIDING GLASS DOOR (LW)

ENGINEER OF RECORD

AMERICAN LYNX ALLIANCE
LICENSE
No. 50708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
K. LYNN MILLER, P.E.
P.E. # 50708

TABLE 11
0°, 05° to 180° Config.
Two-and Sides
Notes: 3, 4, 5, 6, 10, 11

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Panel (s.i.) Width / Anchor / (s.i.) Width

Frame Height	Anchor Design	30" (Nom.) 30" (Ds.i.)				42" (Nom.) 42" (Ds.i.)				48" (Nom.) 42" (Ds.i.)				54" (Nom.) 54" (Ds.i.)				60" (Nom.) 54" (Ds.i.)				66" (Nom.) 60" (Ds.i.)				72" (Nom.) 72" (Ds.i.)				84" (Nom.) 78" (Ds.i.)			
		Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial	Wall Thick	Chamfer	Width	Interstitial
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
120"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	5	5	10	5	4	4	10	5	5	4	10	5
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	5	4	10	5
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70			
144"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	5	5	10	5	4	4	10	5	5	4	10	5
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	5	4	10	5
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70							
60"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	5	5	10	5	4	4	10	5				
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5				
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70				+50/-70											
96"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	5	5	10	5								
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5								
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70				+50/-70															
108"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5												
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5												
Design Pressure		+50/-70				+50/-70				+50/-70				+50/-70																			
114"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5																
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5																
Design Pressure		+50/-70				+50/-70				+50/-70																							
120"	A	2	4	10	5	2	4	10	5	2	4	10	5																				
	B	2	4	10	5	2	4	10	5	2	4	10	5																				
Design Pressure		+50/-70				+50/-70				+50/-70																							
126"	A	2	4	10	5	2	4	10	5	2	4	10	5																				
	B	2	4	10	5	2	4	10	5	2	4	10	5																				
Design Pressure		+50/-70				+50/-70				+50/-70																							
132"	A	2	4	10	5	2	4	10	5	2	4	10	5																				
	B	2	4	10	5	2	4	10	5	2	4	10	5																				
Design Pressure		+50/-70				+50/-70				+50/-70																							
138"	A	2	4	10	5	2	4	10	5	2	4	10	5																				
	B	2	4	10	5	2	4	10	5	2	4	10	5																				
Design Pressure		+50/-70				+50/-70				+50/-70																							
144"	A	2	4	10	5	2	4	10	5	2	4	10	5																				
	B	2	4	10	5	2	4	10	5	2	4	10	5																				

THE MAXIMUM DP AT THIS SIZE AUTOMATICALLY THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

TABLE 11A

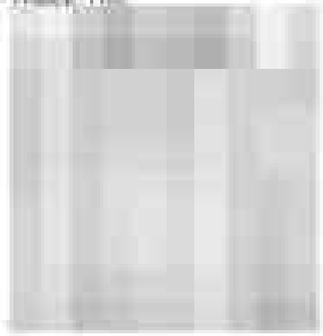


FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 11 AND TABLE 11A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO +DP'S FROM ONLY TABLE 11 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

HEADER = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/SASH PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

SEE REVISIONS SHEET 1 OF 1 | 03/10/25 | F.

R108FA-LM3 | 1/1

JENS ROSOWSKY | 01/11/22

ALUMINUM SLIDING GLASS DOOR

DP AND ANCHOR QTY TABLE

12 OF 35

SGDS1R0A



TABLE 12

Design Pressure and Anchor Quantities Required

8' Cantilever, Non-Hurricane Zones, Risks 1, II & III

Sheared Sides

Nominal Panel Width / Panel O.D. Width / Anchor Location

Frame Height	Anchor Group	36" (Nom.) 35 5/16" (O.D.)				42" (Nom.) 41 5/16" (O.D.)				48" (Nom.) 47 5/16" (O.D.)				54" (Nom.) 53 5/16" (O.D.)				60" (Nom.) 59 5/16" (O.D.)				66" (Nom.) 65 5/16" (O.D.)				72" (Nom.) 71 5/16" (O.D.)				78" (Nom.) 77 5/16" (O.D.)			
		Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip	Wall/Jamb	Corner	Jamb	Hook/Strip
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+/-55			
84"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+/-55				+/-55			
96"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+/-55				+/-55			
108"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+/-55				+/-55			
120"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50											
132"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7	4	6	12	7								
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7								
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50															
144"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7												
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50																			
156"	A	2	4	14	8	2	4	14	8	2	4	14	8	2	4	14	8	4	6	14	8												
	B	2	4	14	8	2	4	14	8	2	4	14	8	2	4	14	8	4	4	14	8												
Design Pressure		+/-50.1				+/-50.1				+/-50.1				+/-46.7																			
168"	A	2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9																
	B	2	4	14	9	2	4	14	9	2	4	14	9	2	4	14	9																
Design Pressure		+/-50.1				+/-48				+/-39																							
180-192"	A	2	6	14	9	2	6	14	9	2	6	14	9																				
	B	2	4	14	9	2	4	14	9	2	4	14	9																				

HOOK/STRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOK/STRIP PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLOSER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE OR DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE NOTES THIS SHEET

FIG 1

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 12 AND TABLE 12A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 12 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE 12A

Water Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
26	1-3/4"	+40 psf
30	2-1/4"	+40 psf
31	3"	+40 psf
32	3-1/2"	+40 psf
33	4-1/4"	+40 psf

SEE REVISIONS SHEET 1 OF 1 | 03/10/25 | F-

R709FA-LM3 | 10/23/24 | JRNS ROSOWSKY

ALUMINUM SLIDING GLASS DOOR (LM)

DP AND ANCHOR QTY TABLE

SSGDR709A | 14 OF 36

AMERICAN LYNX ROLLER PROFESSIONAL ENGINEER No. 59708 STATE OF FLORIDA

4 LYNX ROLLER P.E. FL# 59708

TABLE 13

90° to 135° Config. Non-rein. Sides Glass 7, 8 & 12		Design Pressure and Anchor Quantities Required																					
		Nominal Panel Width / Panel DLO Width / Anchor Location																					
Standard Stiles		30" (Nom.) 28-5/16" (DLO)				42" (Nom.) 34-5/16" (DLO)				48" (Nom.) 40-5/16" (DLO)				54" (Nom.) 46-5/16" (DLO)				60" (Nom.) 52-5/16" (DLO)				66" (Nom.) 58-5/16" (DLO)			
Frame Height	Anchor Group	Mullhead	Cluster	Jamb	Header/Sill	Mullhead	Cluster	Jamb	Header/Sill	Mullhead	Cluster	Jamb	Header/Sill	Mullhead	Cluster	Jamb	Header/Sill	Mullhead	Cluster	Jamb	Header/Sill	Mullhead	Cluster	Jamb	Header/Sill
Design Pressure		+/-75				+/-75				+/-75				+/-75				+/-75				+/-75			
80"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5
Design Pressure		+/-75				+/-75				+/-75				+/-75				+/-75				+/-75			
84"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	5	10	6	4	5	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-75				+/-75				+/-75				+/-75				+/-75				+/-71.6			
90"	A	2	4	10	6	2	4	10	6	2	5	10	6	2	5	10	6	4	5	10	6	4	5	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-75				+/-75				+/-75				+/-70.4				+/-66.2				+/-62.5			
96"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	5	12	7	4	5	12	7
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7
Design Pressure		+/-75				+/-75				+/-72.1				+/-66.7				+/-62.5				+/-59.3			
102"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	5	12	7	4	5	12	7
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7
Design Pressure		+/-75				+/-73.8				+/-69				+/-61.7				+/-57.7				+/-54.6			
108"	A	2	5	12	7	2	5	12	7	2	4	12	7	2	5	12	7	4	5	12	7	4	5	12	7
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7
Design Pressure		+/-75				+/-69.7				+/-62.5				+/-57.8				+/-53.6							
114"	A	2	6	12	7	2	6	12	7	2	5	12	7	2	6	12	7	4	5	12	7				
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7				
Design Pressure		+/-73.5				+/-64.9				+/-58.6				+/-53.8				+/-50							
120"	A	2	6	14	8	2	6	14	8	2	6	14	8	2	6	14	8	4	6	14	8				
	B	2	4	14	8	2	4	14	8	2	4	14	8	2	4	14	8	4	4	14	8				
Design Pressure		+/-67.1				+/-58.2				+/-51.7				+/-46.7											
126"	A	2	6	14	8	2	6	14	8	2	6	14	8	2	6	14	8								
	B	2	4	14	8	2	4	14	8	2	4	14	8	2	4	14	8								
Design Pressure		+/-62.5				+/-48				+/-38															
133-13/16"	A	2	4	14	9	2	4	14	9	2	4	14	9												
	B	2	4	14	9	2	4	14	9	2	4	14	9												

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET.

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 13 AND TABLE 13A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 13 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE 13A

Water Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
25	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+75 psf
32	3-1/2"	+75 psf
33	4-1/4"	+75 psf

SEE REVISIONS SHEET A-3R | 03/10/25 | F-

R108FA-LM3

ALUMINUM SLIDING GLASS DOOR (LM3)

DP AND ANCHOR QTY TABLE

SGDS 108A

15 OF 36

PREPARED BY: [illegible]

PROFESSIONAL ENGINEER

STATE OF FLORIDA

No. 56708

WILLIAM LYNN MILLER

LICENSE

PE

TABLE 14:
6" or 8" [illegible]
[illegible]
Glass: 7, 8 & 12

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Panel D.L.O. Width / Anchor Location

Frame Height	Anchor Group	36" (Nom.) 28-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	42" (Nom.) 34-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	48" (Nom.) 40-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	54" (Nom.) 46-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	60" (Nom.) 52-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	66" (Nom.) 58-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	72" (Nom.) 64-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip	78" (Nom.) 68-5/16" (D.L.O.) Midpanel	Cluster	Jamb	Hookstrip
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90			
80"	A	2	8	10	6	4	8	10	7	4	8	10	7	4	8	10	8	6	8	10	8	6	8	10	8	6	8	10	8	6	8	10	7
	B	2	8	10	6	2	6	10	6	4	8	10	7	4	6	10	7	4	6	10	7	6	6	10	7	6	6	10	7	6	6	10	8
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90			
84"	A	2	8	10	7	4	8	10	7	4	8	10	8	4	8	10	8	6	10	10	9	6	8	10	8	6	8	10	8	6	8	10	8
	B	2	6	10	6	2	6	10	7	4	6	10	7	4	6	10	8	4	6	10	8	4	6	10	8	6	6	10	7	6	6	10	7
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+79.9/-90			
90"	A	2	8	10	7	4	8	10	8	4	10	10	9	4	10	12	9	6	10	12	9	6	8	10	8	6	8	10	8	6	8	10	8
	B	2	8	10	6	2	8	10	7	4	6	10	8	4	6	10	8	4	6	10	8	4	6	10	7	4	6	10	7	6	6	10	7
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+77/-90							
96"	A	2	8	12	8	4	10	12	9	4	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8	6	8	12	8				
	B	2	8	12	7	2	6	12	8	4	8	12	8	4	6	12	8	4	6	12	7	4	6	12	7	4	6	12	7				
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+78.5/-90											
102"	A	2	8	14	8	4	10	12	9	4	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8								
	B	2	6	12	7	2	8	12	8	4	8	12	8	4	8	12	8	4	6	12	7	4	6	12	7								
Design Pressure		+90/-90				+90/-90				+90/-90				+90/-90				+90/-90				+76.0/-87.1											
108"	A	2	10	12	9	4	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8	4	8	12	8								
	B	2	8	12	8	2	8	12	8	2	8	12	8	2	8	12	7	4	6	12	7	4	6	12	7								
Design Pressure		+90/-90				+90/-90				+90/-87.4				+90/-88.9				+78.9/-85.7															
114"	A	2	10	12	9	2	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8												
	B	2	8	12	8	2	8	12	8	2	8	12	8	2	8	12	7	4	6	12	7												
Design Pressure		+90/-90				+90/-90				+90/-81.7				+90/-81.9				+77.9/-90															
120"	A	2	10	14	9	2	10	14	9	4	10	14	9	4	8	14	8	4	8	14	8												
	B	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8	4	6	14	8												
Design Pressure		+90/-90				+90/-80.3				+/-76.4				+/-75.4																			
126"	A	2	10	14	9	2	8	14	8	2	8	14	8	2	8	14	8																
	B	2	8	14	8	2	8	14	8	2	8	14	8	2	8	14	8																
Design Pressure		+90/-90				+51/-32.1				+/-71.1																							
120-131 1/8"	A	2	8	14	9	2	8	14	9	2	8	14	9																				
	B	2	8	14	9	2	8	14	9	2	8	14	9																				

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

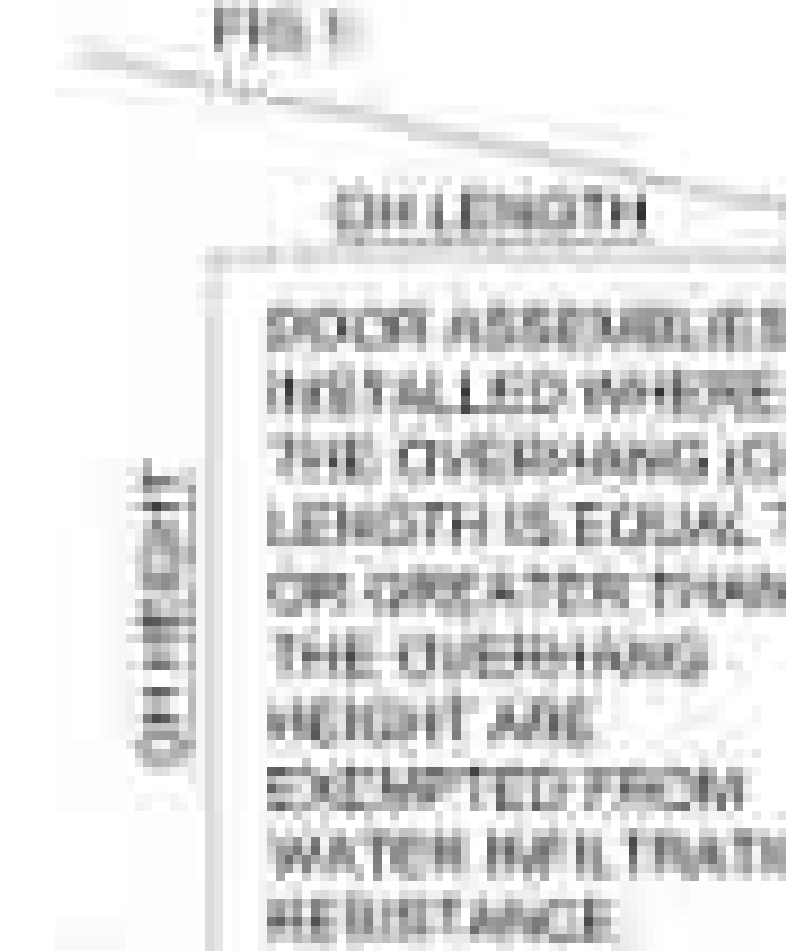
MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE NOTES, THIS SHEET.

TABLE 14A:

[illegible]

FIG 1



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 14 AND TABLE 14A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DPS FROM ONLY TABLE 14 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

ALUMINUM SLIDING GLASS DOOR (L.M.)

DP AND ANCHOR QTY TABLE

JENS ROSOWSKI

SGD8100A

[illegible] OF 36

PREPARED BY: A. LYNN MILLER
[illegible]

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 15

135° Certig Rated Sites

Class 7, 8 & 10

Design Pressure and Anchor Quantities Required

Maximum Frame Width / Panel O.D. Width / Anchor Location

Shielded Sides		36" (Nom.) 35 5/16" (O.D.)				42" (Nom.) 41 5/16" (O.D.)				48" (Nom.) 47 5/16" (O.D.)				54" (Nom.) 53 5/16" (O.D.)				60" (Nom.) 59 5/16" (O.D.)				66" (Nom.) 65 5/16" (O.D.)				72" (Nom.) 71 5/16" (O.D.)				78" (Nom.) 77 5/16" (O.D.)			
Frame Height	Anchor Group	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip	Mid-Panel	Corner	Jamb	Hookstrip
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50			
84"	A	2	6	10	11	4	8	10	7	4	8	10	7	4	8	10	8	5	8	10	8	5	8	10	8	5	8	10	8	5	8	10	8
	B	2	6	10	11	2	6	10	8	4	6	10	9	4	6	10	9	4	6	10	7	4	6	10	7	5	6	10	7	5	6	10	8
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50			
96"	A	2	6	10	7	4	8	10	8	4	8	10	8	4	8	10	8	5	8	10	8	5	8	10	8	5	8	10	8	5	8	10	8
	B	2	6	10	11	2	6	10	7	4	6	10	8	4	6	10	8	4	6	10	7	4	6	10	7	5	6	10	7	5	6	10	7
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50			
90"	A	2	6	10	7	4	8	10	8	4	10	12	9	4	10	12	9	5	10	12	9	5	8	10	8	5	8	10	8	5	8	10	8
	B	2	6	10	11	2	6	10	7	4	6	10	8	4	6	10	8	4	6	10	7	4	6	10	7	5	6	10	7	5	6	10	7
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50							
96"	A	2	6	12	8	4	10	12	9	4	10	12	9	4	10	12	9	4	8	12	9	4	8	12	8	4	8	12	8				
	B	2	6	12	7	2	6	12	8	4	6	12	8	4	6	12	8	4	6	12	7	4	6	12	7	4	6	12	7				
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50				+50/-50											
102"	A	2	6	12	8	4	10	12	9	4	10	12	9	4	10	12	9	4	8	12	9	4	8	12	8								
	B	2	6	12	7	2	6	12	8	4	6	12	8	4	6	12	8	4	6	12	7	4	6	12	7								
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50															
108"	A	2	10	12	9	4	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8	4	8	12	8								
	B	2	6	12	11	2	6	12	9	2	6	12	9	2	6	12	7	4	6	12	7	4	6	12	7								
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50															
114"	A	2	10	12	9	2	10	12	9	4	10	12	9	4	8	12	8	4	8	12	8												
	B	2	6	12	8	2	8	12	8	2	6	12	8	2	6	12	7	4	6	12	7												
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50				+50/-50															
120"	A	2	10	14	9	2	10	14	9	4	10	14	9	4	8	14	8	4	8	14	8												
	B	2	6	14	9	2	8	14	9	2	6	14	8	2	6	14	8	4	6	14	8												
Design Pressure		+50/-50				+50/-50				+50/-50				+50/-50																			
126"	A	2	10	14	9	2	8	14	9	2	8	14	9	2	8	14	8																
	B	2	6	14	9	2	8	14	9	2	6	14	8	2	6	14	8																
Design Pressure		+50/-50				+50/-50				+50/-50																							
135-138 1/8"	A	2	6	14	9	2	6	14	9	2	6	14	9																				
	B	2	6	14	9	2	6	14	9	2	6	14	9																				

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLOSER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE NOTES, THIS SHEET

FIG 1

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE

TABLE NOTES:

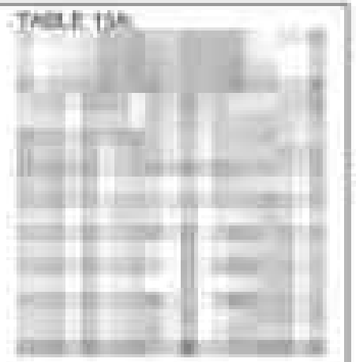
1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 15 AND TABLE 15A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S FROM ONLY TABLE 15 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE 15A



SEE REVISIONS SHEET 1 OF 1

REVISIONS			
DESCRIPTION	DATE	BY	
ADDED SIZES	03/10/25	JRS	
ADDED SIZES	03/10/25	JRS	

R10RPA-LW3

17 OF 35

SSDERWA

AL LIMITATIONS FOR GLASS DOOR (LM)

DP AND ANCHOR QTY TABLE

PREPARED BY: A. LYNN MILLER
SYSTEM DESIGNER
FL 10078

PROJECT NAME:
PROJECT ADDRESS:
PROJECT #:

ARCHITECTURAL GLASS AND METAL
1111 N. 13TH AVENUE
PENSACOLA, FL 32501



TABLE 16:

Design Pressure and Anchor Quantities Required

3' Config. Narrow Stiles, Class 7, 8 & 12		Nominal Panel Width / Panel DLO Width / Anchor Location																													
Narrow Stiles		36" (Nom.) 30-5/16" (DLO)				42" (Nom.) 36-5/16" (DLO)				48" (Nom.) 40-5/16" (DLO)				54" (Nom.) 46-5/16" (DLO)				60" (Nom.) 52-5/16" (DLO)				66" (Nom.) 58-5/16" (DLO)				72" (Nom.) 64-5/16" (DLO)				78" (Nom.) 69-5/16" (DLO)			
Frame Height	Anchor Group	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip	MidPanel	Cluster	Jamb	Hookstrip
Design Pressure		+80/-90				+80/-90				+80/-90				+80/-90				+80/-80				+80/-90				+80/-80				+/-75			
80"	A	2	4	10	5	2	6	10	5	2	6	10	5	2	4	10	5	4	6	10	6	4	6	10	6	6	6	10	6	4	4	10	5
	B	2	4	10	6	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	6	10	5	4	6	10	6	4	4	10	5
Design Pressure		+80/-90				+80/-90				+80/-90				+80/-90				+80/-90				+80/-90				+/-76				+/-70			
84"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	4	10	6	4	4	10	6
Design Pressure		+80/-90				+80/-90				+80/-90				+80/-90				+80/-89.6				+/-76				+/-68.4				+/-67.9			
90"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
	B	2	4	10	6	2	4	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+80/-90				+80/-90				+80/-90				+80/-80.9				+80/-81.5				+/-62.9				+/-60.1							
96"	A	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7				
	B	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	4	12	7	4	4	12	7	4	4	12	7				
Design Pressure		+80/-90				+80/-90				+80/-86.2				+/-79.8				+/-62.5				+/-59.7											
102"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7								
	B	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	4	12	7	4	4	12	7								
Design Pressure		+80/-90				+80/-88.9				+/-80				+/-69.7				+/-57.7				+/-51.8											
108"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7								
	B	2	6	12	7	2	6	12	7	2	6	12	7	2	4	12	7	4	4	12	7	4	4	12	7								
Design Pressure		+80/-90				+80/-82.1				+/-79.7				+/-57.8				+/-53.8															
114"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7												
	B	2	6	12	7	2	6	12	7	2	6	12	7	2	4	12	7	4	6	12	7												
Design Pressure		+80/-87.8				+/-77.6				+/-70				+/-53.8				+/-50															
120"	A	2	6	14	8	2	6	14	8	2	6	14	8	2	6	14	8	4	6	14	8												
	B	2	6	14	8	2	6	14	8	2	6	14	8	2	4	14	8	4	4	14	8												
Design Pressure		+/-76.1				+/-67.7				+/-61.7				+/-46.7																			
126"	A	2	6	14	8	2	6	14	8	2	6	14	8	2	6	14	8																
	B	2	6	14	8	2	4	14	8	2	4	14	8	2	4	14	8																
Design Pressure		+/-68.1				+/-44				+/-38																							
133-13/16"	A	2	6	14	9	2	6	14	9	2	4	14	9																				
	B	2	4	14	9	2	4	14	9	2	4	14	9																				

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES THIS SHEET.

TABLE 16A:

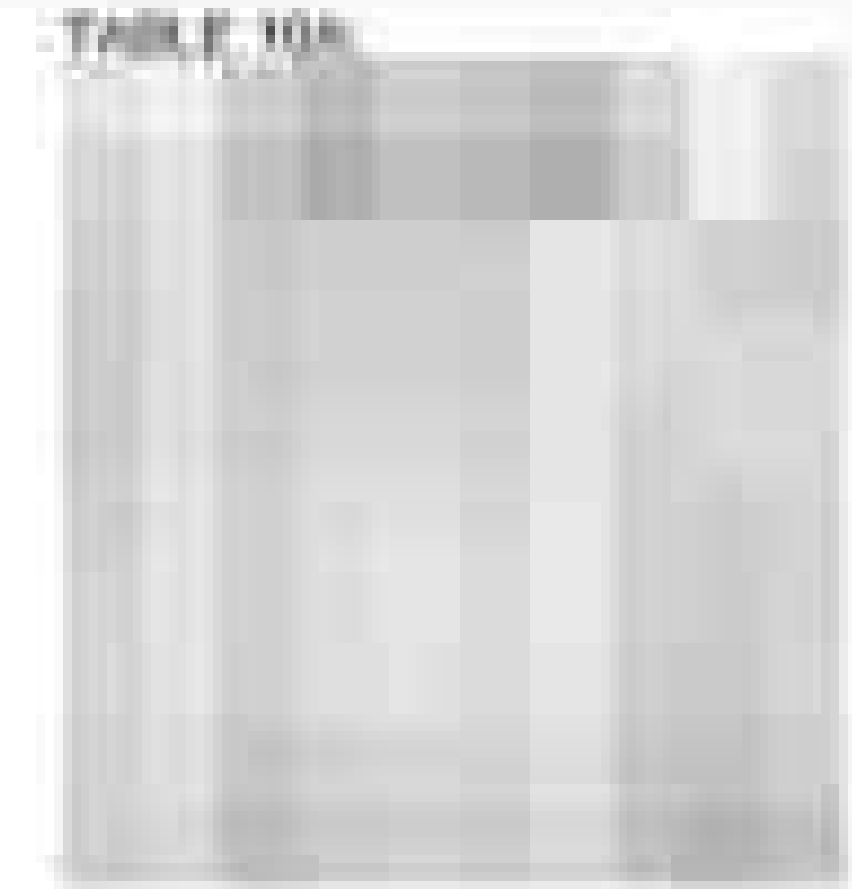


FIG 1



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 16 AND TABLE 16A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DPS FROM ONLY TABLE 16 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

ALUMINUM SLIDING GLASS DOOR (LM)

DP AND ANCHOR QTY TABLE

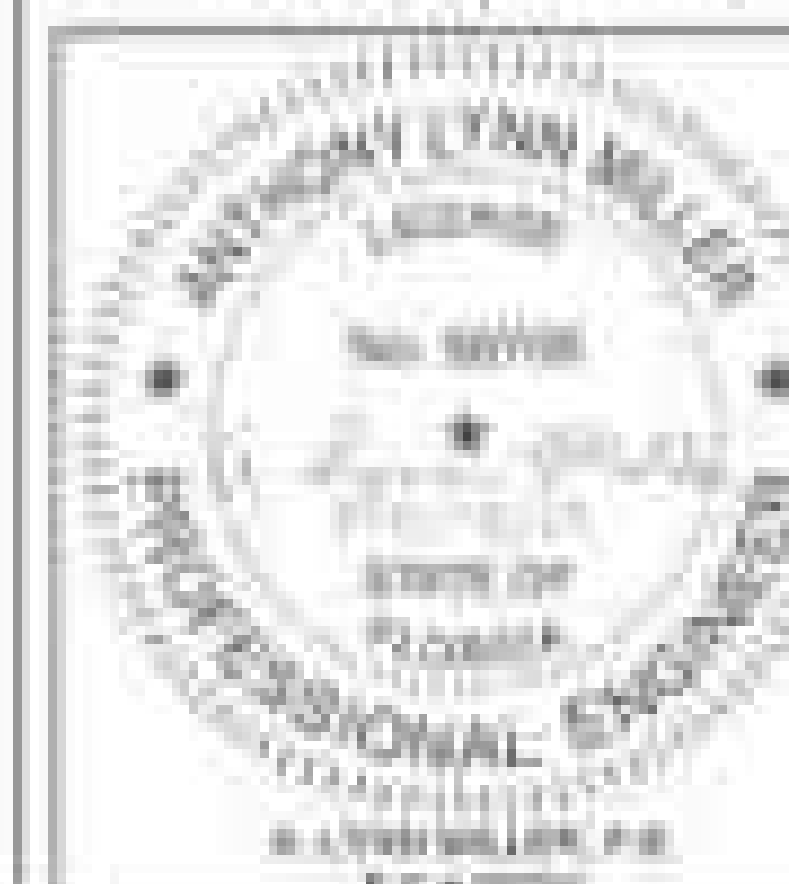


TABLE 17

Design Pressure and Anchor Quantities Required

90° or 135° Corner Non-wall Slide Doors 7, 8 & 12

Narrow Stile

Nominal Panel Width / Panel O.D. Width / Anchor Location

Panels Height	Anchor Group	36" (Nom.) 33-5/16" (O.D.)				42" (Nom.) 39-5/16" (O.D.)				48" (Nom.) 45-5/16" (O.D.)				54" (Nom.) 51-1/16" (O.D.)				60" (Nom.) 56-13/16" (O.D.)				66" (Nom.) 62-13/16" (O.D.)				72" (Nom.) 68-13/16" (O.D.)				78" (Nom.) 74-13/16" (O.D.)			
		MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill	MI/Panel	Cluster	Jamb	Head/Sill
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
78"	A	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
84"	A	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-67.7			
90"	A	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B	3	4	10	6	3	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-66.7				+/-62.9				+/-60.3							
96"	A	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7				
	B	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7				
Design Pressure		+/-70				+/-70				+/-70				+/-66.7				+/-62.9				+/-59.3											
102"	A	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7								
	B	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7								
Design Pressure		+/-70				+/-70				+/-70				+/-66.7				+/-62.9				+/-59.3											
108"	A	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7								
	B	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7								
Design Pressure		+/-70				+/-69.1				+/-62.5				+/-57.4				+/-52.6															
114"	A	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7												
	B	3	4	12	7	3	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7												
Design Pressure		+/-70				+/-64.2				+/-58.1				+/-52.9				+/-50															
120"	A	3	5	14	8	3	5	14	8	4	5	14	8	4	5	14	8	4	5	14	8												
	B	3	4	14	8	3	4	14	8	4	4	14	8	4	4	14	8	4	4	14	8												
Design Pressure		+/-67.1				+/-59.7				+/-51.7				+/-45.7																			
126"	A	3	5	16	9	3	5	16	9	4	5	16	9	4	5	16	9																
	B	3	4	16	9	3	4	16	9	4	4	16	9	4	4	16	9																
Design Pressure		+/-60.5				+/-48				+/-36																							
132-7/16"	A	3	5	16	9	3	4	16	9	4	4	16	9																				
	B	3	4	16	9	3	4	16	9	4	4	16	9																				

HD/MI/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEAD/MI/SILL PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MI/PANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE NOTES, THIS SHEET

TABLE 17A

Water-Limited (+) Design Pressure

Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+70 psf
32	3-1/2"	+70 psf
33	4-1/4"	+70 psf

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 17 AND TABLE 17A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF NO +DP'S FROM ONLY TABLE 17 MAY BE USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE REVISION SHEET A-3R

F	03/10/23	
E	02/10/23	
D	12/19/22	
C	10/19/22	
B	09/28/22	
A	08/29/22	

R108 PA LVM3

ALUMINUM SLIDING GLASS DOOR (LVM3)

TABLE OF CONTENTS

SHEET A-3

DP AND ANCHOR QTY TABLE

SHEET A-3A

PREPARED BY:
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P.E. # 32708

TABLE 18

Design Pressure and Anchor Quantities Required

'U' Config. Roof Slide

Uses: 7, 9 & 12

Nominal Panel Width / Panel O.L.O. Width / Anchor Location

Frame Height	Anchor Group	Number Slides	36" (Nom.) 35-5/16" (O.L.O.)				52" (Nom.) 34-5/16" (O.L.O.)				60" (Nom.) 45-5/16" (O.L.O.)				64" (Nom.) 49-5/16" (O.L.O.)				80" (Nom.) 65-5/16" (O.L.O.)				96" (Nom.) 79-5/16" (O.L.O.)				120" (Nom.) 103-5/16" (O.L.O.)				144" (Nom.) 127-5/16" (O.L.O.)			
			MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill	MidPanel	Divide	Jamb	Header/Sill
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
80"	A		2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
	B		4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
84"	A		2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B		4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
96"	A		2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B		4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
108"	A		2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7
	B		4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70							
120"	A		2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7				
	B		4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7				
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70				+/-70											
144"	A		2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7								
	B		4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7	4	4	12	7								
Design Pressure			+/-70				+/-70				+/-70				+/-70				+/-70															
168"	A		2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9	4	6	14	9	4	6	14	9								
	B		4	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9								
Design Pressure			+/-70				+/-70				+/-70				+/-70																			
192"	A		2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9																
	B		4	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9																
Design Pressure			+/-70				+/-70				+/-60.6				+/-52.8																			
216"/219"	A		2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9																
	B		4	6	14	9	4	6	14	9	4	6	14	9	4	6	14	9																

WIDE/STRP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEAD/STRIP, PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

TABLE 18A

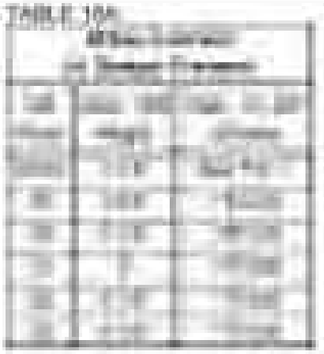


FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 18 AND TABLE 18A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 18 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

F	03/10/25	REVIEWER SHEET 1-JR	
		R10SFA-LM3	
		JENS ROSOWSKY	20 OF 36
		DP AND ANCHOR QTY TABLE	SEQ#1668A
		ALUMINUM SLIDING GLASS DOOR (1)	



TABLE 19

Design Pressure and Anchor Quantities Required

90° to 135° Config.
Rect. Strike
Glass: 7, 9 & 12

Nominal Panel Width / Panel O.A.O. Width / Anchor Location

Frame Height	Anchor Group	30" (Nom.) 28-3/16" (O.A.O.)				42" (Nom.) 34-3/16" (O.A.O.)				48" (Nom.) 40-3/16" (O.A.O.)				54" (Nom.) 46-3/16" (O.A.O.)				60" (Nom.) 52-3/16" (O.A.O.)				66" (Nom.) 58-3/16" (O.A.O.)				72" (Nom.) 64-3/16" (O.A.O.)				74" (Nom.) 66-3/16" (O.A.O.)			
		MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill	MidPanel	Cluster	Jamb	Header/Sill
Design Pressure		+/-70				+/-50				+/-70				+/-50				+/-70				+/-50				+/-50				+/-70			
78"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
	B	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
84"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70			
90"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6	4	4	10	6
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70				+/-70							
96"	A	2	4	12	7	2	4	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7	4	6	12	7				
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	4	12	7	4	6	12	7				
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-70				+/-70											
102"	A	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7								
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7	4	6	12	7								
Design Pressure		+/-70				+/-70				+/-70				+/-70				+/-65.3															
108"	A	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7												
Design Pressure		+/-70				+/-70				+/-70				+/-65.3				+/-62															
114"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7												
Design Pressure		+/-70				+/-70				+/-70				+/-62.3				+/-62															
120"	A	2	6	14	8	2	6	14	8	2	6	14	8	2	6	14	8	4	6	14	8												
	B	2	4	14	8	2	4	14	8	2	4	14	8	2	4	14	8	4	6	14	8												
Design Pressure		+/-70				+/-70				+/-70				+/-62.3																			
126"	A	2	6	14	9	2	6	14	9	2	6	14	9	2	6	14	9																
	B	2	4	14	9	2	6	14	9	2	6	14	9	2	4	14	9																
Design Pressure		+/-70				+/-70				+/-62.3																							
138-139⅝"	A	2	6	14	9	2	6	14	9	2	6	14	9																				
	B	2	4	14	9	2	6	14	9	2	6	14	9																				

HEADER/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HEADER/SILL PERPENDICULAR TO THE GLASS

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDPANEL OF PANEL

* THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE NUMBER POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

FIG 1

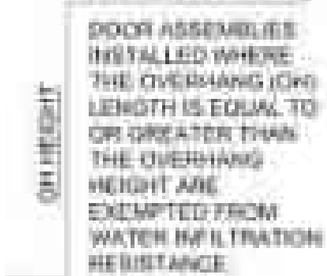


TABLE NOTES:

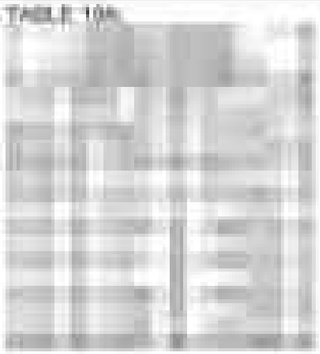
1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 19 AND TABLE 19A DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED IF SO, +DP'S FROM ONLY TABLE 19 MAY BE USED.

3) SEE SHEETS 26 - 32 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE 19A



SEE REVISION SHEET FOR	
03/10/23	F
JENS ROSOWSKY	
01/11/22	
#108PA-LW3	
#1 OF 32	
SEQ#1668A	

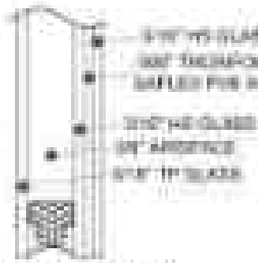
ALUMAWALL SLIDING GLASS DOOR (LW3)
DP AND ANCHOR QTY TABLE

PREPARED BY:
ENGINEERING SERVICE
6 LYNN MILLER, P.E.
FL# 59705

ANTHONY LYNN MILLER
LICENSE
No. 59705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL# 59705



GLASS TYPE 1
6"x6" NOM. GLASS STACK



GLASS TYPE 2
1" NOM. GLASS STACK



GLASS TYPE 3
6"x6" NOM. GLASS STACK



GLASS TYPE 4
1" NOM. GLASS STACK



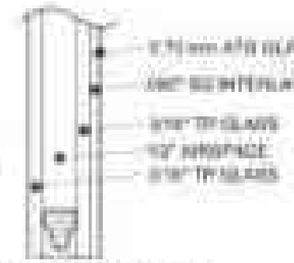
GLASS TYPE 5
6"x6" NOM. GLASS STACK



GLASS TYPE 6
1" NOM. GLASS STACK



GLASS TYPE 7
5/16" NOM. GLASS STACK

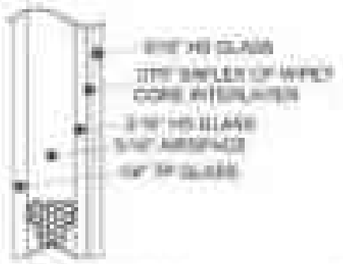


GLASS TYPE 8
1" NOM. GLASS STACK

EXTERIOR INTERIOR



GLASS TYPE 9
1" NOM. GLASS STACK



GLASS TYPE 10
1" NOM. GLASS STACK



GLASS TYPE 11
1" NOM. GLASS STACK

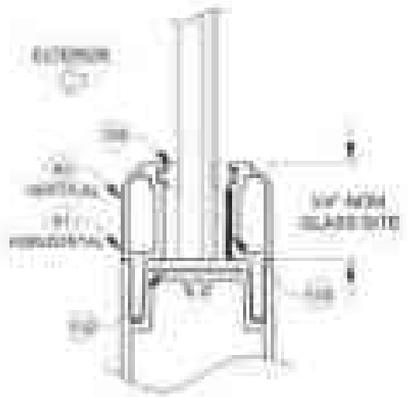


GLASS TYPE 12
1" NOM. GLASS STACK

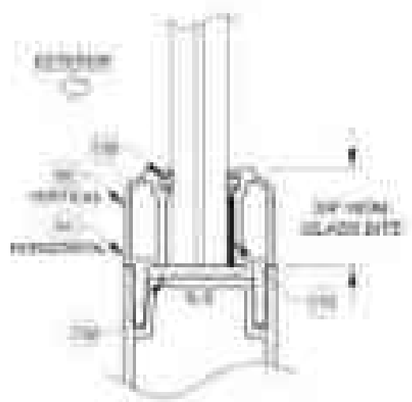
TABLE C

Glass Type	Description (Listed from Exterior to Interior)
1	6/16" LAMI: 1/4" HS - 0.090" Trosifol or Saflex PVB - 1/4" HS
2	1" LAMI IG: 5/16" TP-Clear - 1/2" Airspace - 3/16" HS - 0.090" Trosifol or Saflex PVB - 5/16" HS
3	9/16" LAMI: 1/4" HS - 0.075" Saflex CP with PET Core - 1/4" HS
4	1" LAMI IG: 5/16" TP Clear - 1/2" Airspace - 3/16" HS - 0.075" Saflex CP with PET Core - 3/16" HS
5	3/16" LAMI: 1/4" HS - 0.030" SG - 1/4" HS
6	1" LAMI IG: 3/16" TP Clear - 1/2" Airspace - 3/16" HS - 0.030" SG - 3/16" HS
7	5/16" LAMI: 3/16" TP - 0.030" SG - 5.75mm ATG
8	1" LAMI IG: 5/16" TP Clear - 1/2" Airspace - 3/16" TP - 0.030" SG - 5.75mm ATG
9	1" LAMI IG: 1/4" TP Clear - 3/8" Airspace - 3/16" HS - 0.090" Trosifol or Saflex PVB - 3/16" HS
10	1" LAMI IG: 1/4" TP Clear - 3/8" Airspace - 3/16" HS - 0.075" Saflex CP with PET Core - 3/16" HS
11	1" LAMI IG: 1/4" TP Clear - 3/8" Airspace - 3/16" HS - 0.090" SG - 3/16" HS
12	1" LAMI IG: 1/4" TP Clear - 1/2" Airspace - 3/16" TP - 0.030" SG - 6.75mm ATG

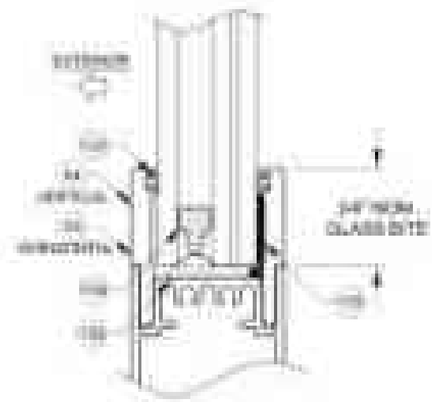
HS = HEAT STRENGTHENED
TP = TEMPERED
TROSIFOL PVB & SG INTERLAYERS BY KURARAY AMERICA, INC.
SAFLEX PVB INTERLAYER BY EASTMAN CHEMICAL COMPANY



TYP. LAMI. GLAZING DETAIL
5/16" NOM. GLASS STACK



TYP. LAMI. GLAZING DETAIL
9/16" NOM. GLASS STACK



TYP. LAMI. IG GLAZING DETAIL
1" NOM. GLASS STACK

SEE REVISIONS SHEET A-JR

NO.	DATE
F	

DESIGNED	JRNS ROSOWSKY
DRAWN	
CHECKED	
DATE	02/11/10
SCALE	(1/4")

R108 PA-LVM3

ALUMINUM SLIDING GLASS DOOR

SEQUENCE NUMBER

22 OF 36

SEQUENCE NUMBER

AMERICAN LYNX ALUM. CORP.
LICENSE
No. 50708
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

INSTALLATION NOTES:

1) DETAILS APPLY TO 2, 3, 4 AND 5 TRACK CONFIGURATIONS. INSTALLATION ANCHORS AND SUBSTRATE DETAILS MAY APPLY TO ANY FRAME LOCATION.

2) SEE TABLE A FOR SPECIFIC REQUIREMENTS PER THE ANCHOR AND SUBSTRATE BEING USED.

3) SEE SHEETS 29 - 32 FOR ANCHOR LOCATIONS & SPACING. FOR ANCHOR QUANTITIES, SEE TABLES 1-16.

4) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

5) IF A PANEL IS TO BE FIXED IN LINE TO ANOTHER PANEL (CCL INSTALL ANCHORS AS SHOWN AT 4" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT 6 ANCHORS TOTAL.

6) IF A PANEL IS TO BE FIXED TO THE JAMB, USE A 2-CLIP AT 24" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT. 4 2-CLIPS TOTAL, EACH WITH 6 ANCHORS.

7) ATTACH SILL INSERT TO SILL PAN AT 6" FROM EACH END AND MAX. 36" O.C.

8) IF REINFORCEMENT IS REQUIRED AND SHOWN ATTACHED WITH AN ANCHOR, USE AN ANCHOR AT 6" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT.

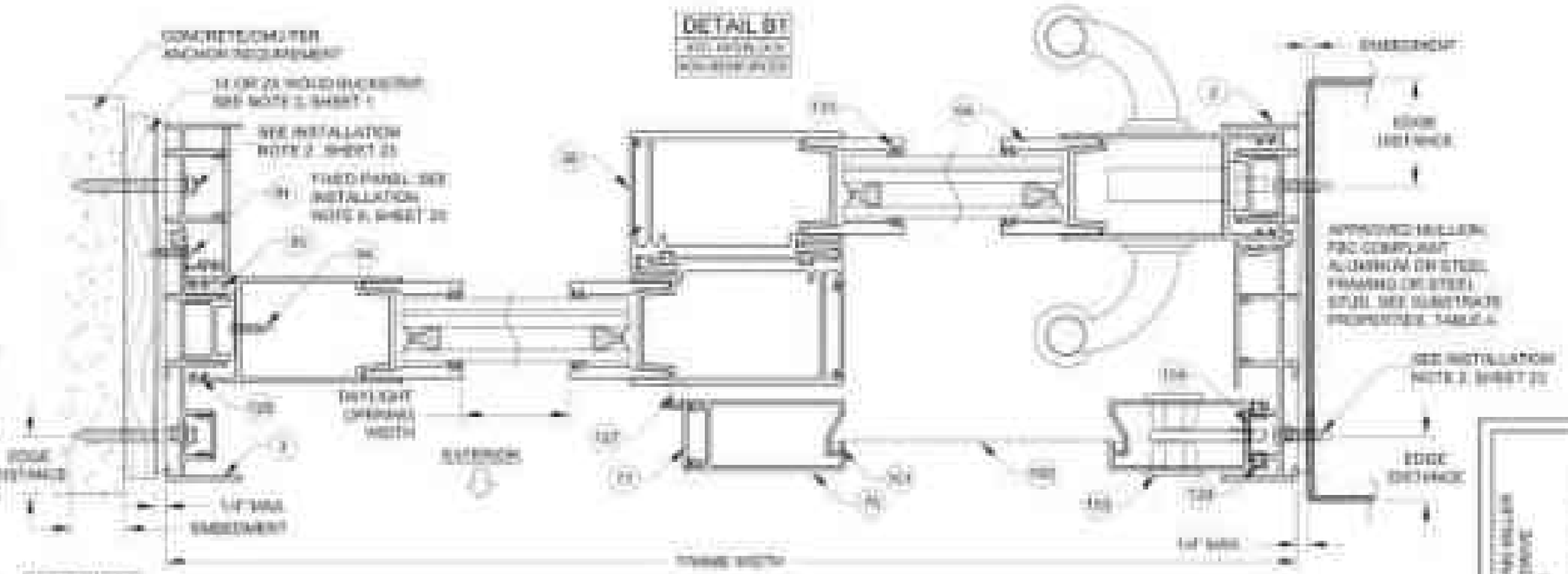
9) SEE TABLES 1-16 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION.

10) SILL PANS UP USED VARIES WITH DESIGN PRESSURE REQUIREMENTS AND MUST BE FULLY SEALED BETWEEN THE RISER AND SILL.

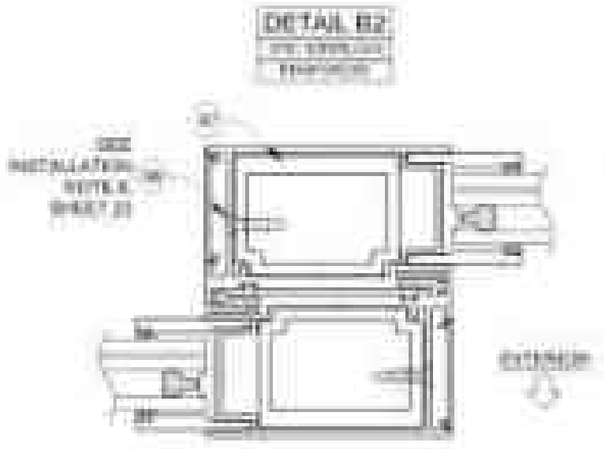
11) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MIN. 1/4" THICK & 5000 PSI MIN. GROUT BY OTHERS MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE OR AS APPROVED BY THE AUTHORITY (HAVING JURISDICTION.

12) SILL WEEPHOLES ARE 1" X 1/2" AND ARE LOCATED AT 6" FROM EACH JAMB AND AT THE MEETING POINT OF 2 ADJACENT PANELS.

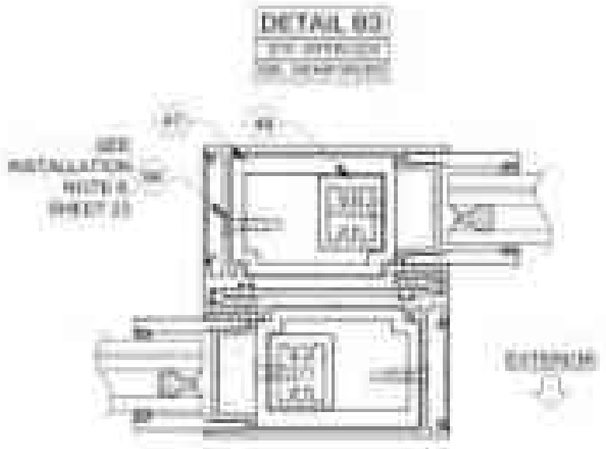
13) STANDARD ANCHOR LOCATIONS SHOWN. ANCHORS MAY BE LOCATED IN ANY ADJACENT TRACK AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION

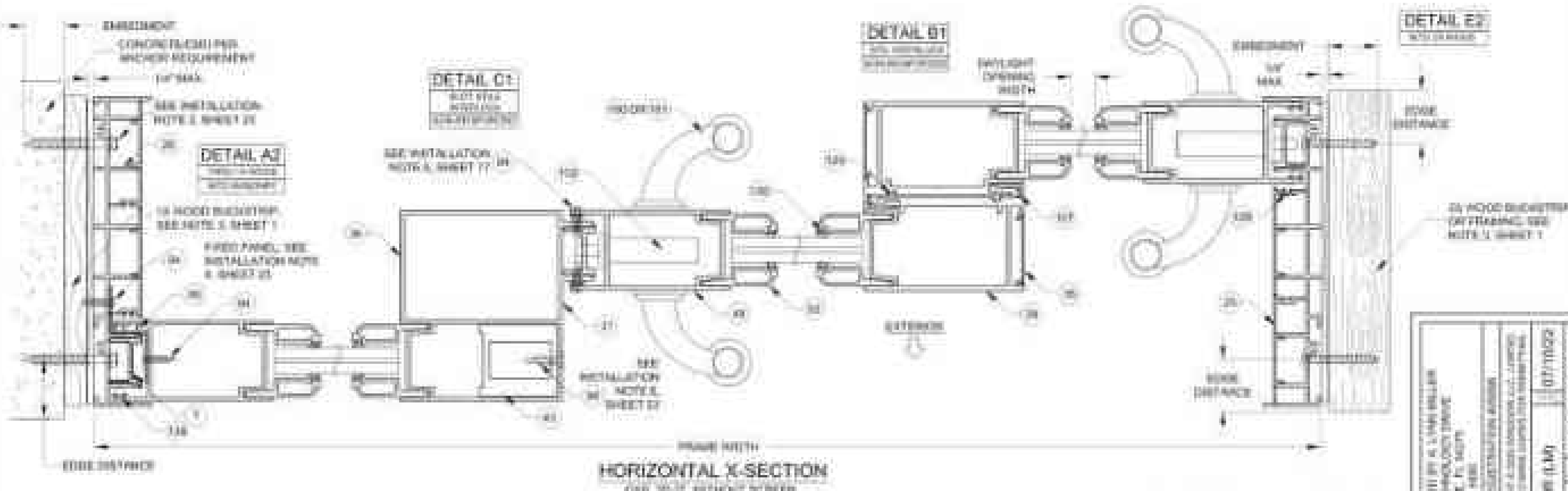
NOTES:

1) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION

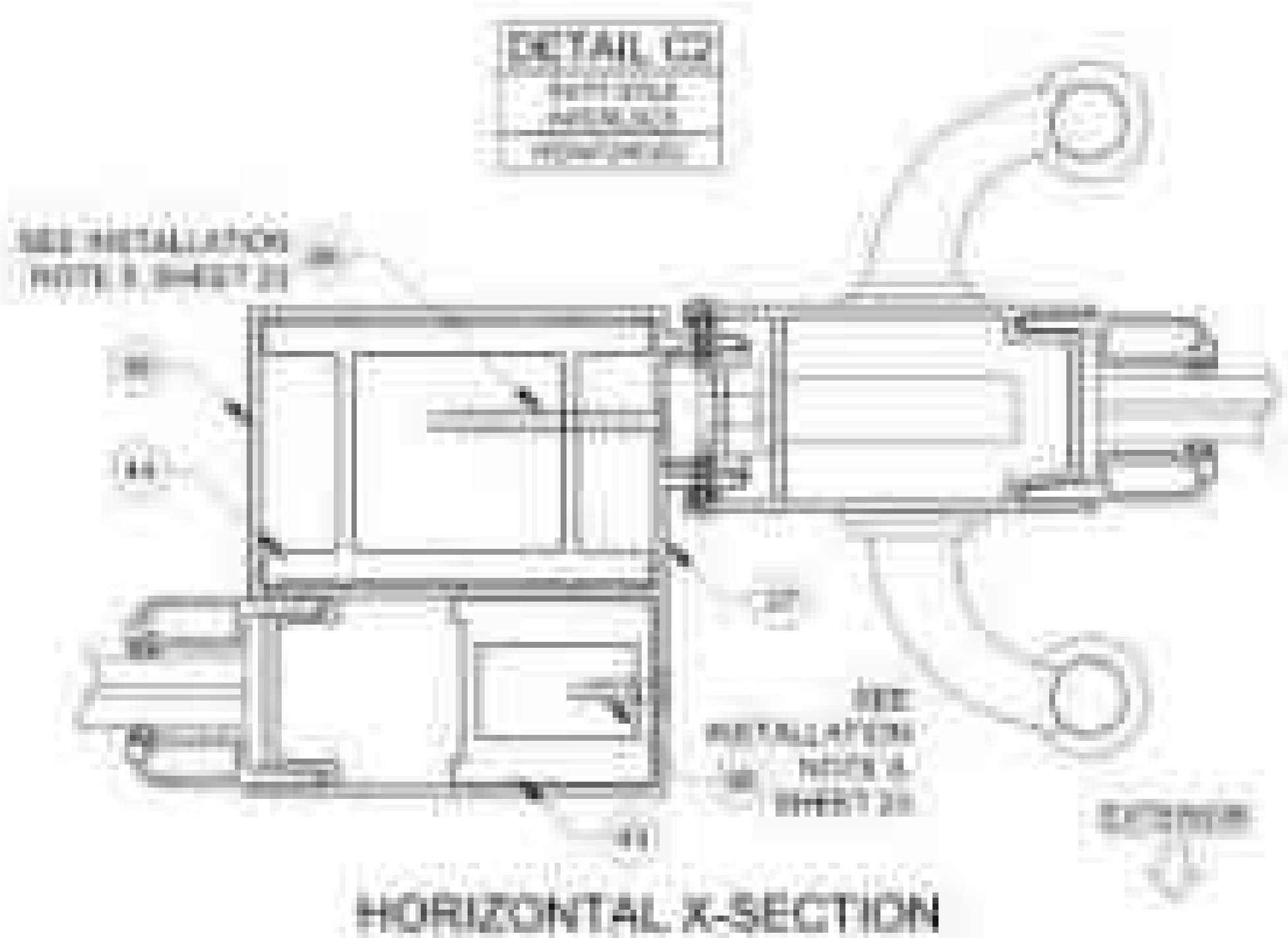
- (L) WIDTH = ROW STL PANEL WIDTH - 1 1/16"
- (L) WIDTH = ROW ALUMINUM INTERLOCK PANEL WIDTH - 8" (1 SIDE W/ MARRIOR INTERLOCK)

REVISIONS	SHEET NO.
SEE REVISIONS SHEET 1 OF 2	30 OF 32
DRAWN BY: JRNS	
CHECKED BY:	
DATE: 07/11/23	
SCALE: 1 1/2" = 1'-0"	
ALUMINUM SLIDING GLASS DOOR SYSTEMS INSTALLATION DETAILS	
8100 PA LVM 3	

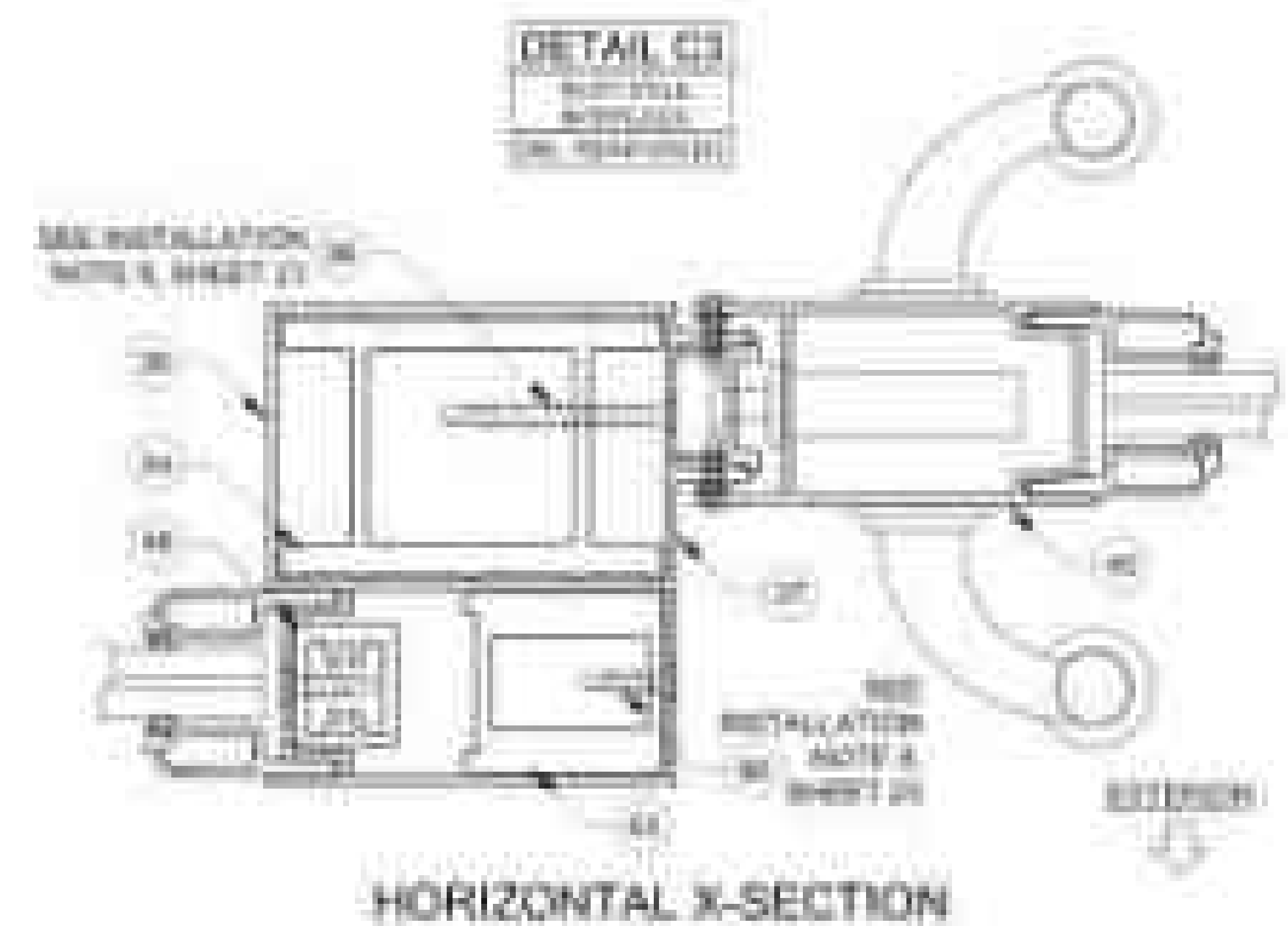
ANTHONY LYNN NELSON
LICENSE
No. 59708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1 LYNN NELSON, P.E.
P.E. # 59708



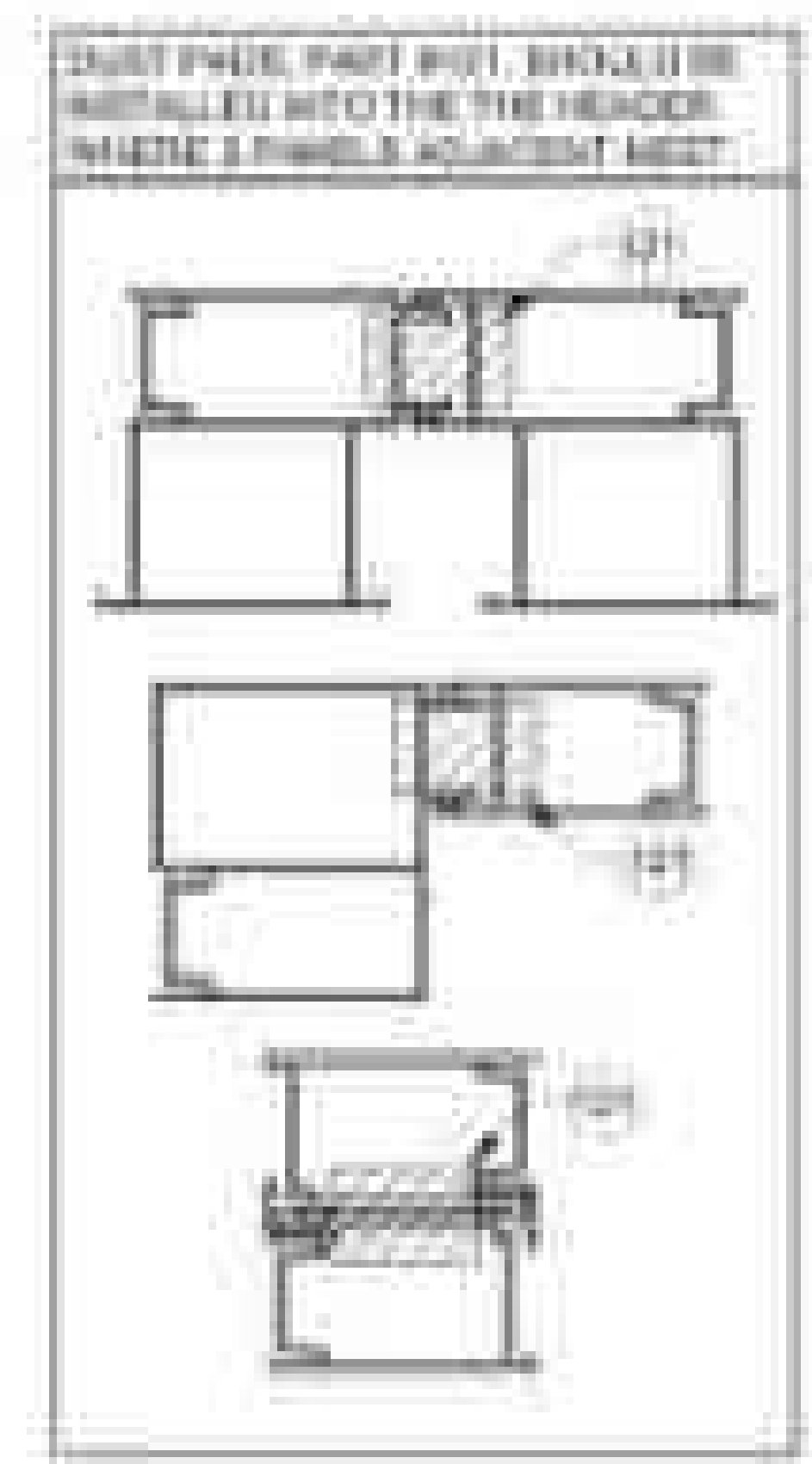
HORIZONTAL X-SECTION



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION



NOTES:

1) SEE INSTALLATION NOTES, SHEET 23.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

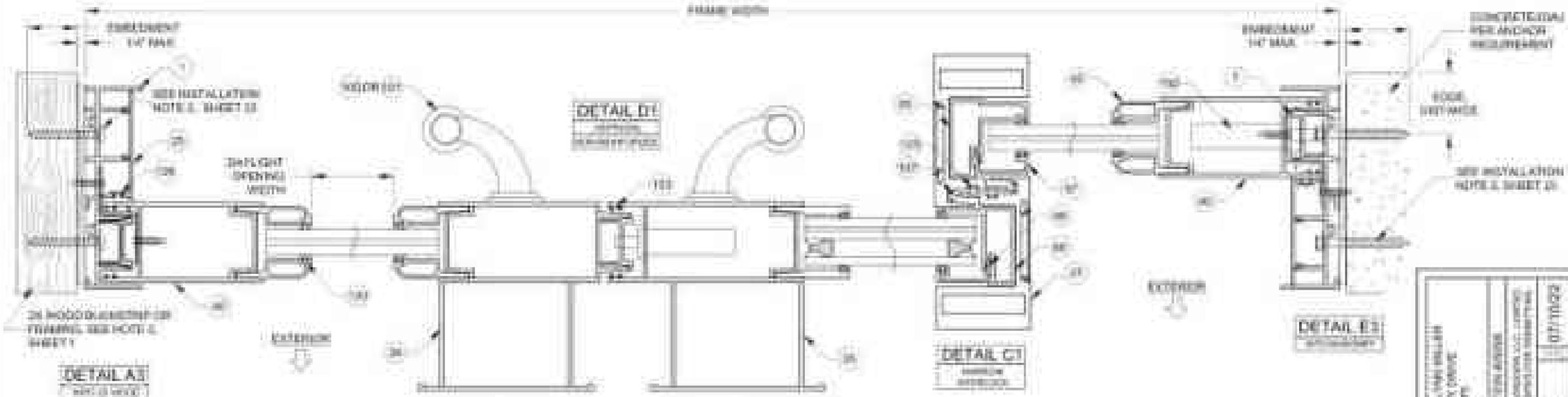
ALUMINUM SLIDING GLASS DOOR (L/M)

INSTALLATION DETAILS

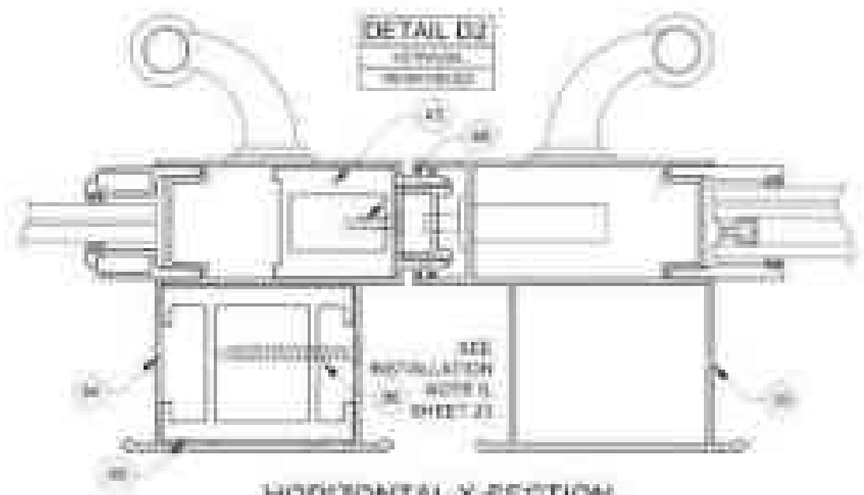
24 OF 35

SGD6100A

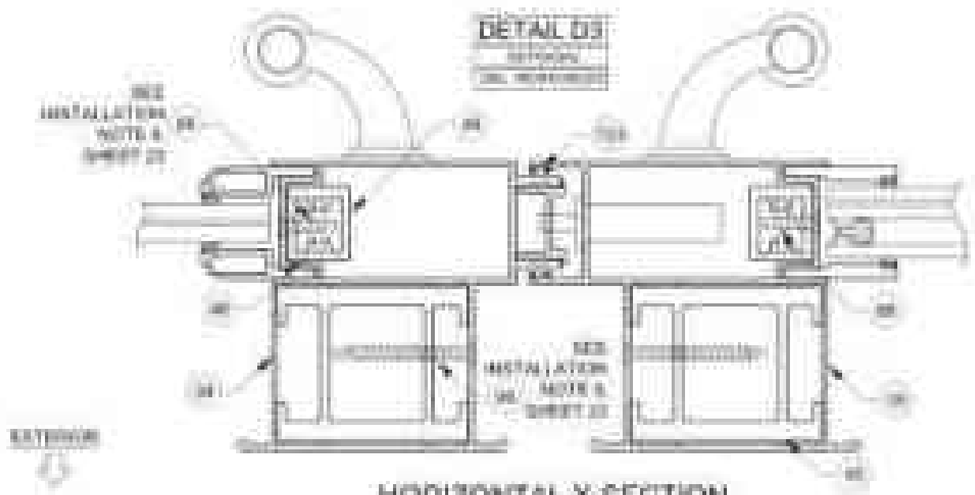
ANTHONY LYNN MILLER
PROFESSIONAL ENGINEER
STATE OF FLORIDA



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION

NOTES:

1) SEE INSTALLATION NOTES, SHEET 20.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

*D2,D3 WIDTH = ROW STD. PANEL WIDTH - 1 1/16"
*D2,D3 WIDTH = ROW NARROW INTERLOCK PANEL WIDTH - 3" (1 SIDE W/ NARROW INTERLOCK)

SEE REVISIONS SHEET 1, 2, 3 | 04/10/25 | F

R100FA-LM3

SCALE: 1" = 1'-0" | 02/11/25 | JENS ROSENGREN

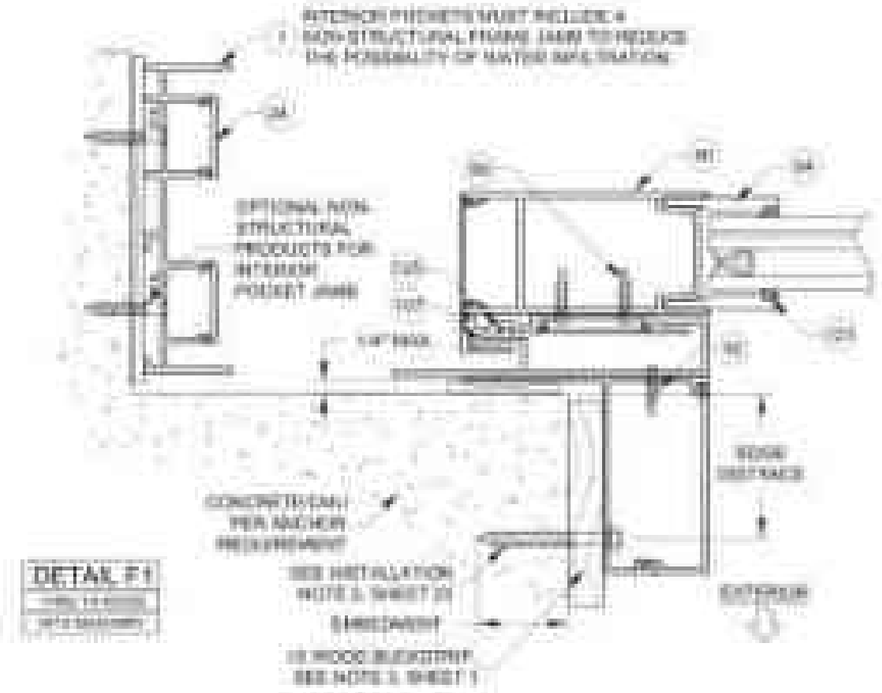
ALUMINUM SLIDING GLASS DOOR

INSTALLATION DETAILS

SHEET NO. 20 OF 35

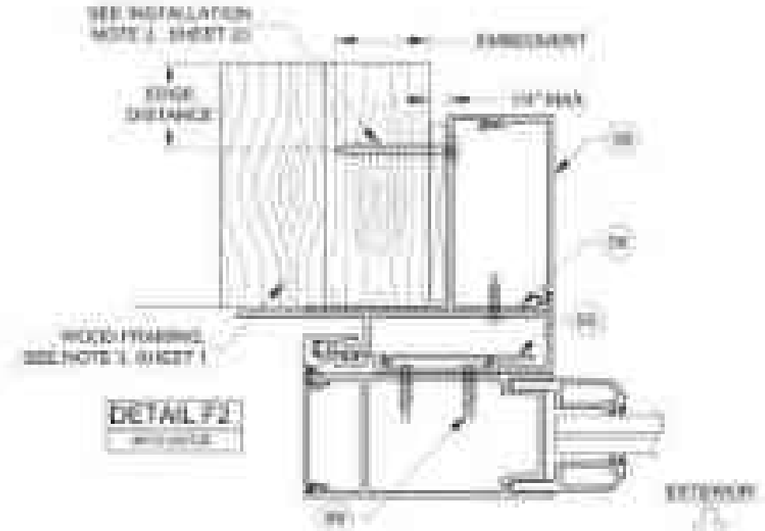
SERIES 100

JEFFERSON LYNN MILLER
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER



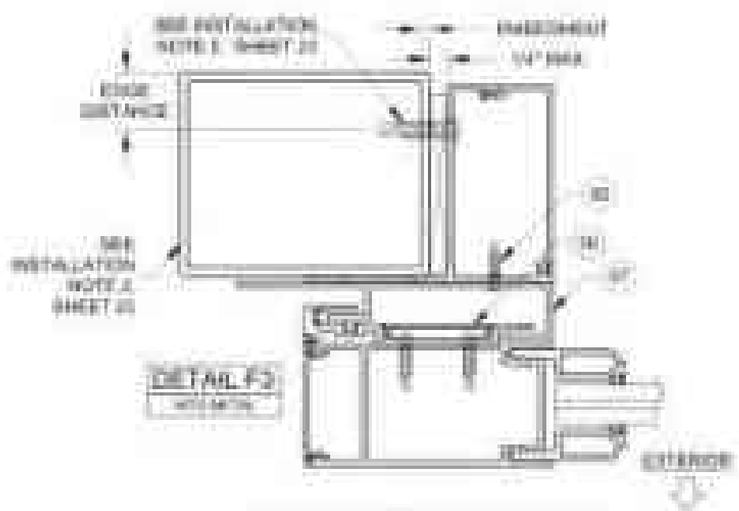
DETAIL F1

HORIZONTAL X-SECTION
LEFT INTERIOR POCKET



DETAIL F2

HORIZONTAL X-SECTION
LEFT EXTERIOR POCKET



DETAIL F3

HORIZONTAL X-SECTION
LEFT EXTERIOR POCKET

NOTES:

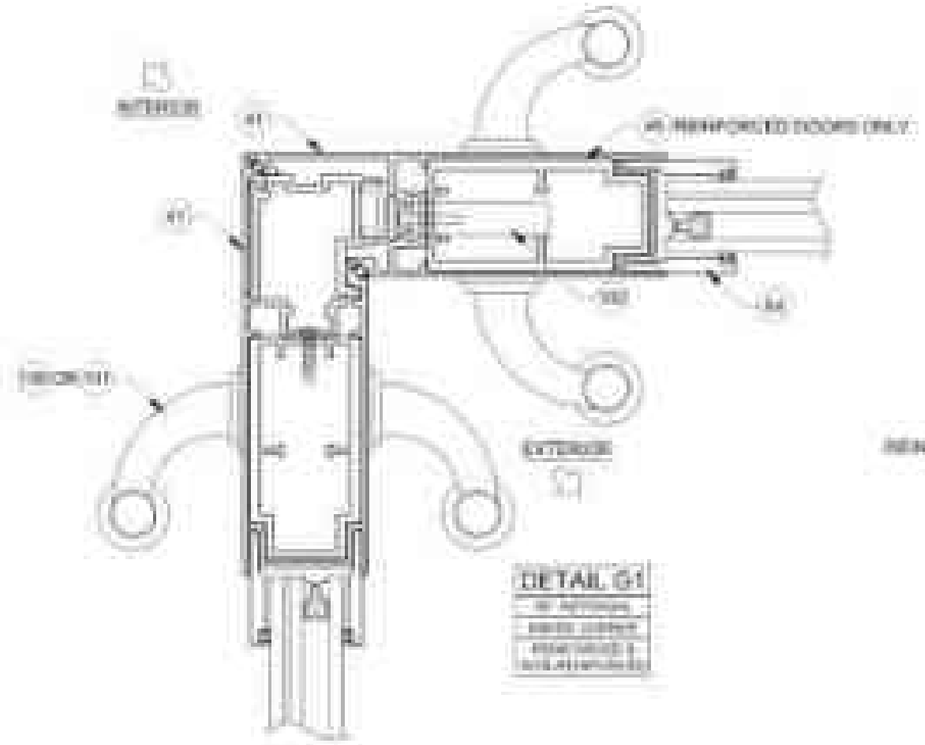
1) SEE INSTALLATION NOTES, SHEET 2/2.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

●GLS WIDTH = NOM. STC PANEL WIDTH - 2-1/16"
●GLS WIDTH = NOM. RAINSCREEN INTERLOCK PANEL WIDTH - 6" (1 SIDE IN NARROW INTERLOCKS)

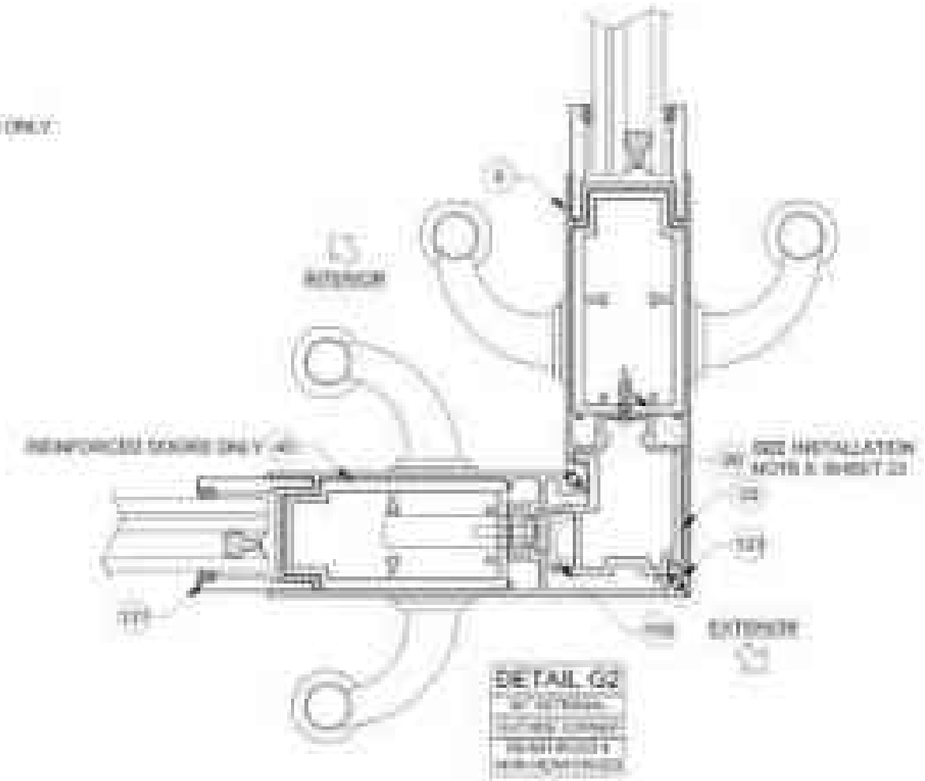
SEE REVISIONS SHEET 1/JR | 03/13/25 | F

PREPARED BY: A. LYNN MILLER	JENS ROSCOWSKI	R108PA-LW3	
515 STEINHATCHEE AVENUE			
FL 34275	07/01/25	SCALE: 1/2" = 1'-0"	SHEET NO.
		ALUMINUM SLIDING GLASS DOOR (LW)	2/2
		INSTALLATION DETAILS	
		SSGR/WIN	

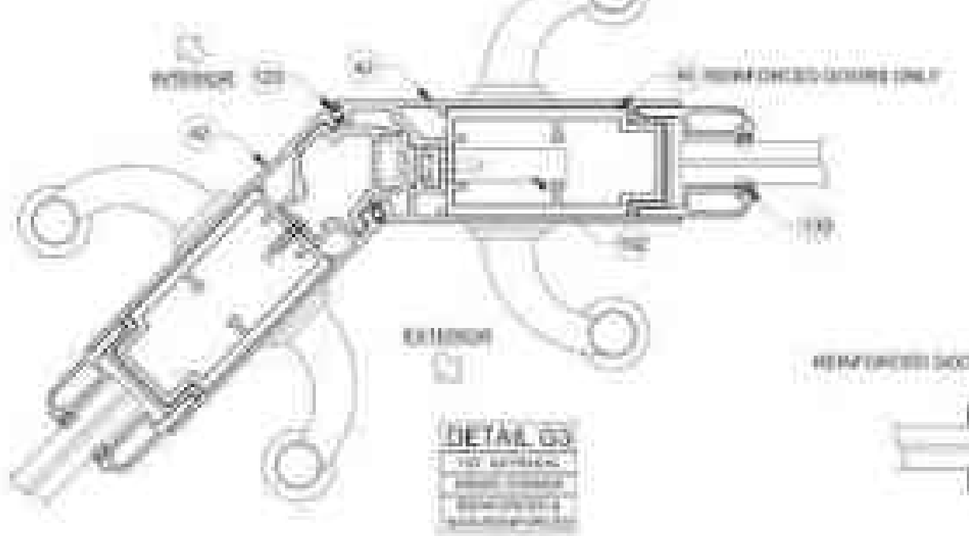




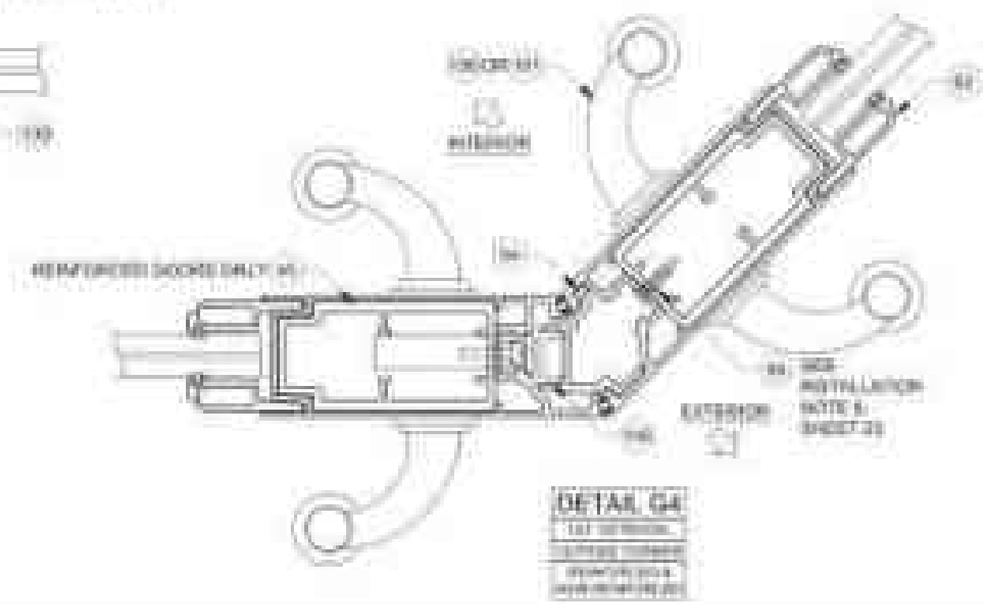
DETAIL G1



DETAIL G2



DETAIL G3



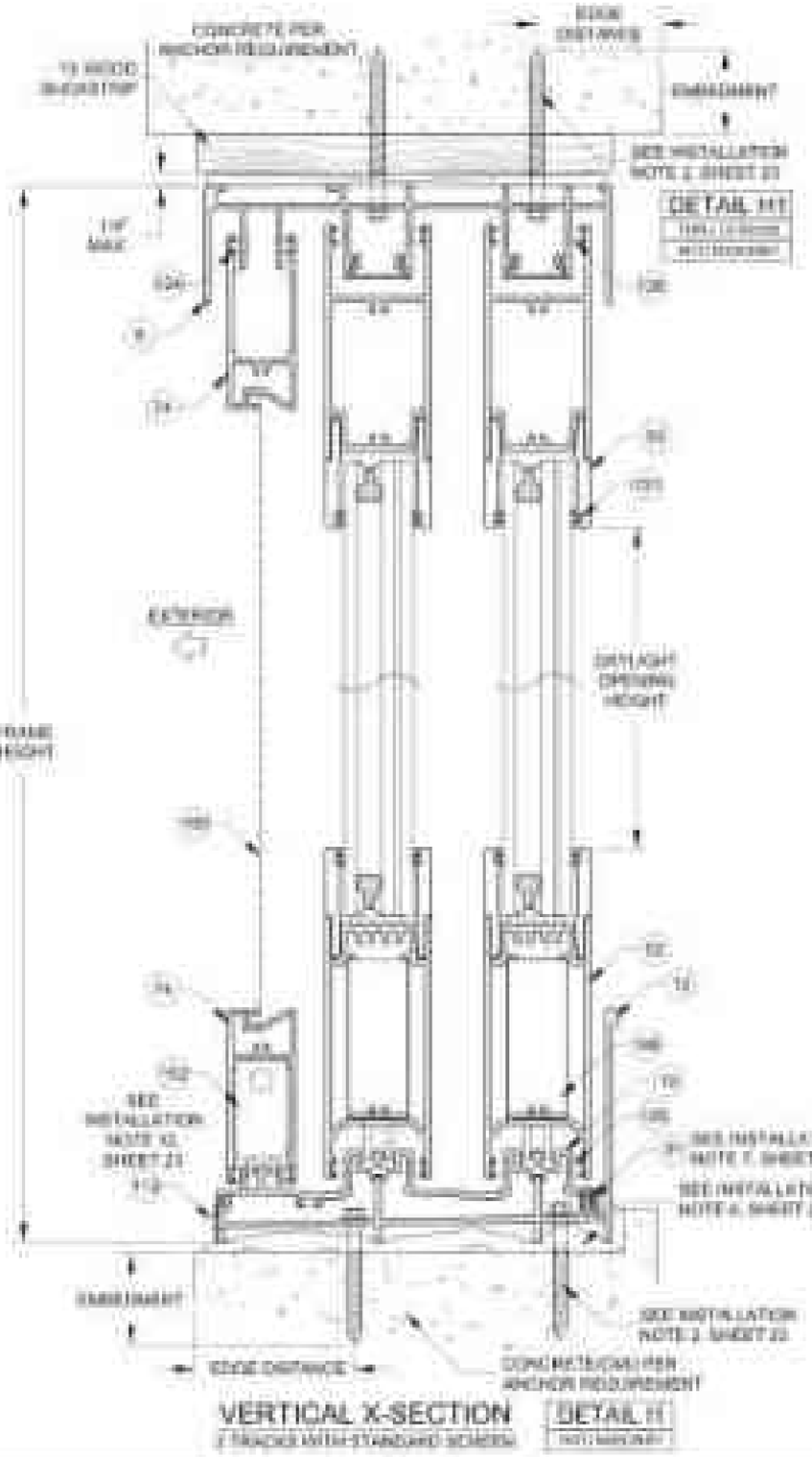
DETAIL G4

NOTES

1. GLAZING MAY BE EITHER MONOLITHIC OR LAMINATED IN ANY CONFIGURATION.

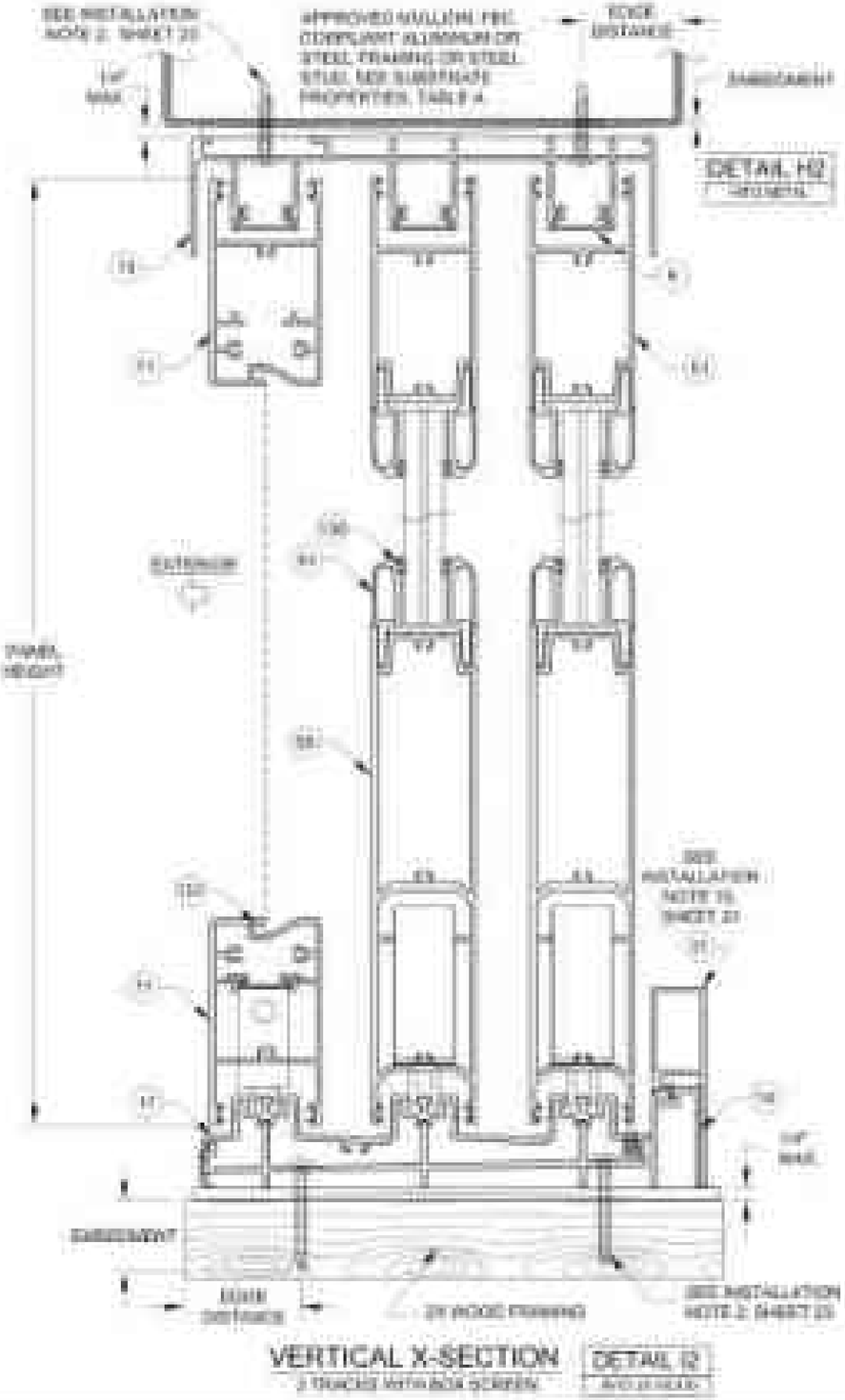
F	SEE REVISIONS SHEET 1 OF 2	03/10/25	
	REVISIONS	DATE	
	JENS ROSCOWSKI		
	DRAWN BY		
	8100 PALM AVE		
	ALUMINUM SLIDING GLASS DOORS		
	CORNER DETAILS		
	SEBRING		27 OF 35





VERTICAL X-SECTION
2 TRACKS WITH STANDARD SCREEN

DETAIL I1



VERTICAL X-SECTION
2 TRACKS WITH BOX SCREEN

DETAIL I2

- SLD HEIGHT = PANEL HEIGHT - 5 1/2" (BTG. BOT. RAIL)
- SCC HEIGHT = PANEL HEIGHT - 5 7/8" (TALL BOT. RAIL)
- PANEL HEIGHT = BOOD HEIGHT - 1-5/16"

NOTES:

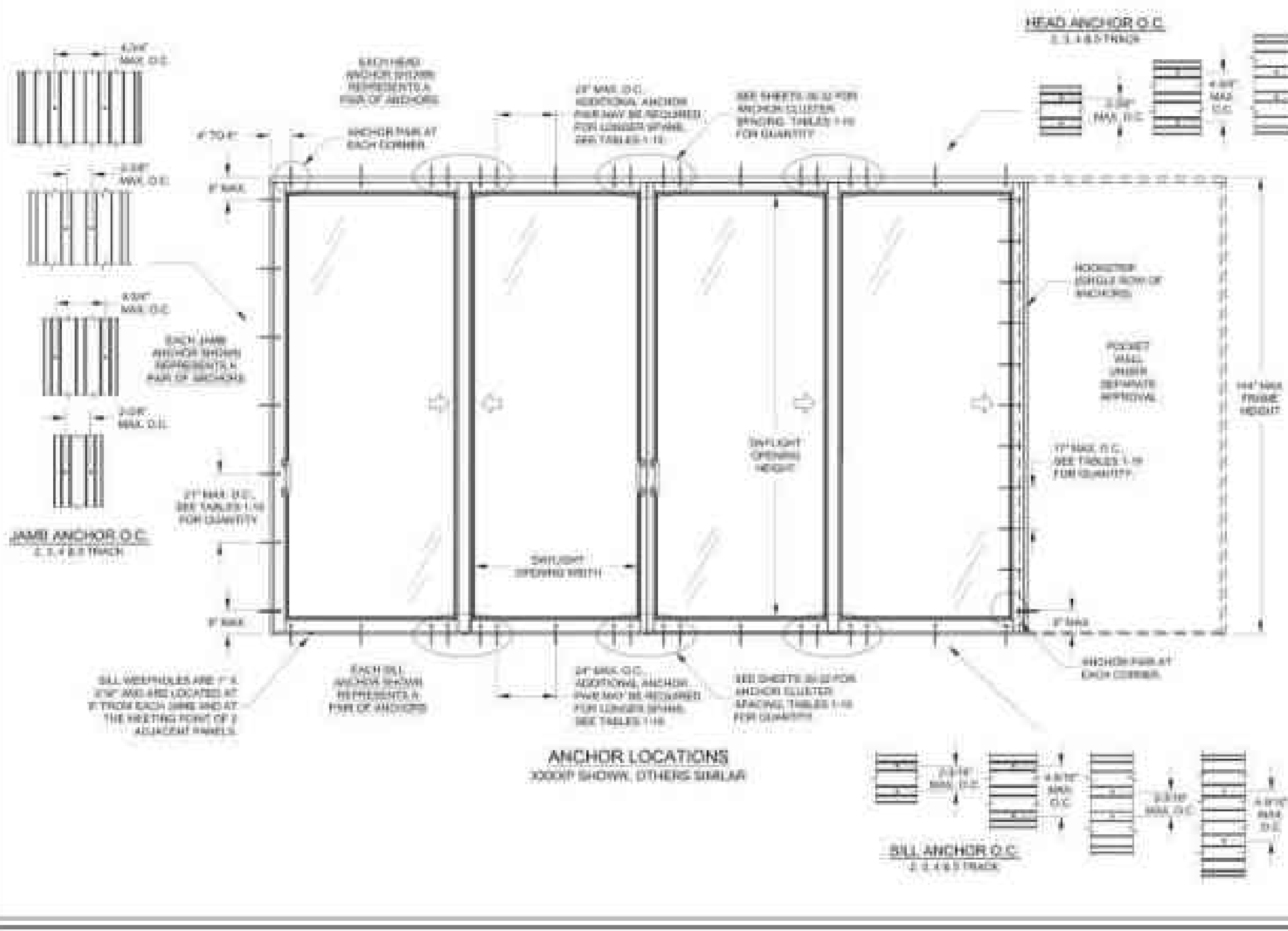
1) SEE INSTALLATION NOTES, SHEET 23.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

REVISIONS	
DRAWN BY	JRS
DATE	07/11/23
SCALE	1 1/2" = 1'-0"
SHEET NO.	22 OF 25
PROJECT NO.	22-0004

ALUMINUM SLIDING GLASS DOOR
INSTALLATION DETAILS

SEBRING, FLORIDA

SEBRING LYNN MILLS
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER



SEE REVISIONS SHEET A-JR | 10/10/25 | F

R10SFPA-LV43

PREPARED BY: A. LYNN MILLER	2/21/25	JRNS ROSCOWSKI
SIZE: 8.5" X 11"	SCALE: NONE	
DRAWING TITLE: ALUMINUM SLIDING GLASS DOOR (LV)		
ANCHOR LOCATIONS		
SSGR/WHI		

ANTHONY LYNN MILLER LICENSE No. 50705 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

NOTES:

1. TYPICAL MAX. O.C. DIMENSIONS SHOWN.

2. HEAD SHOWN WILL SWELLING.

SEE REVISIONS SHEET 1 OF 1

F

10/1/2015

R10FPA-LM3

SNS ROSCOWSKI

10/1/2015

WINDOOR

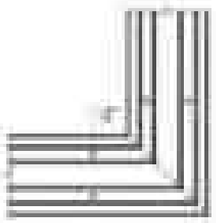
ALUMINUM SLIDING GLASS DOOR

ANCHOR SPACING

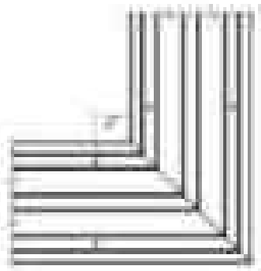
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06 OF 06

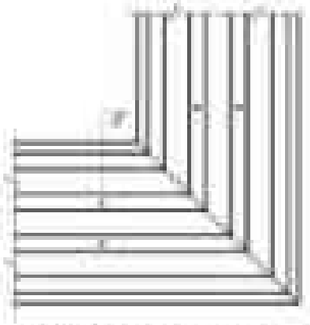
ANTHONY LYNN MILLER
LICENSE
No. 60708
STATE OF FLORIDA
PROFESSIONAL ENGINEER



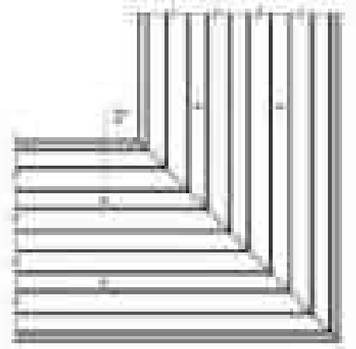
4 ANCHOR CLUSTER O.C.
2 TRACK, 90° UNIT



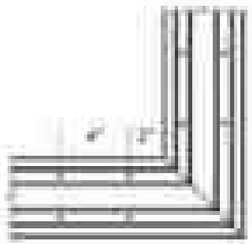
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3 TRACK, 90° UNIT



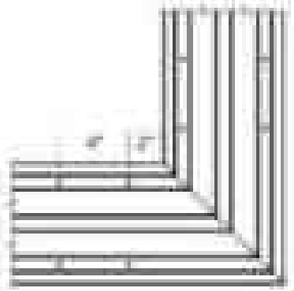
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4 TRACK, 90° UNIT



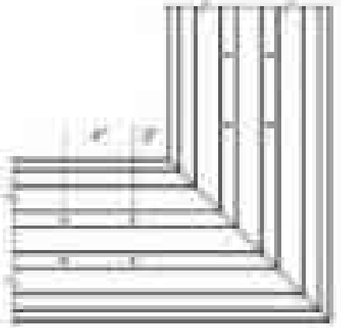
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5 TRACK, 90° UNIT



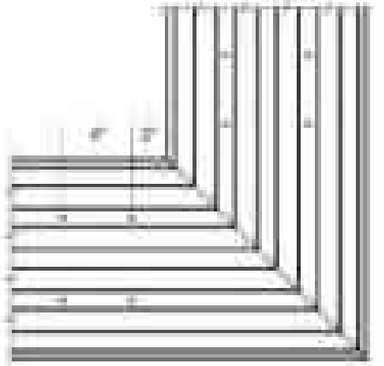
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2 TRACK, 90° UNIT



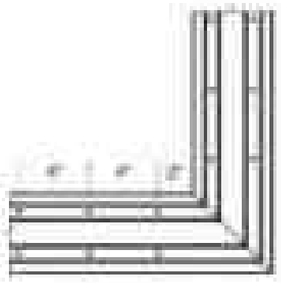
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3 TRACK, 90° UNIT



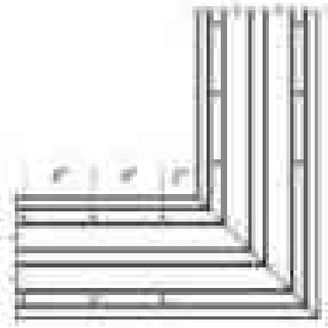
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4 TRACK, 90° UNIT



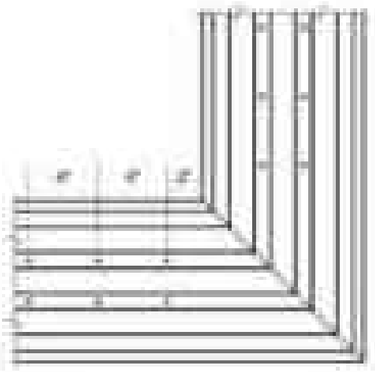
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5 TRACK, 90° UNIT



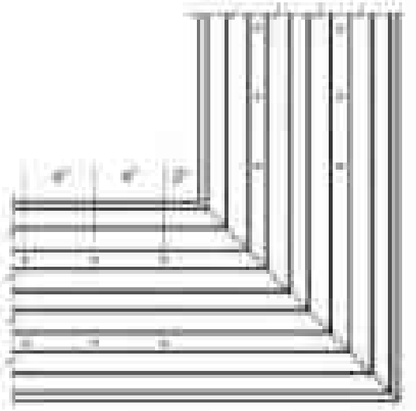
12 ANCHOR CLUSTER O.C
2 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C
3 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C.
4 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C.
5 TRACK, 90° UNIT

NOTES:

1.) TYPICAL MAX. O.C. DIMENSIONS SHOWN

2.) CORNER TRACKS MAY BE INSIDE OR OUTSIDE

3.) CORNER ANCHOR CLUSTERS WILL BE PUNCHED IN MULTIPLES OF 4, EQUAL NUMBERS OF ANCHORS WILL BE ON EACH SIDE OF THE CORNER MITER.

SITE REVISIONS SHEET # | DATE | BY

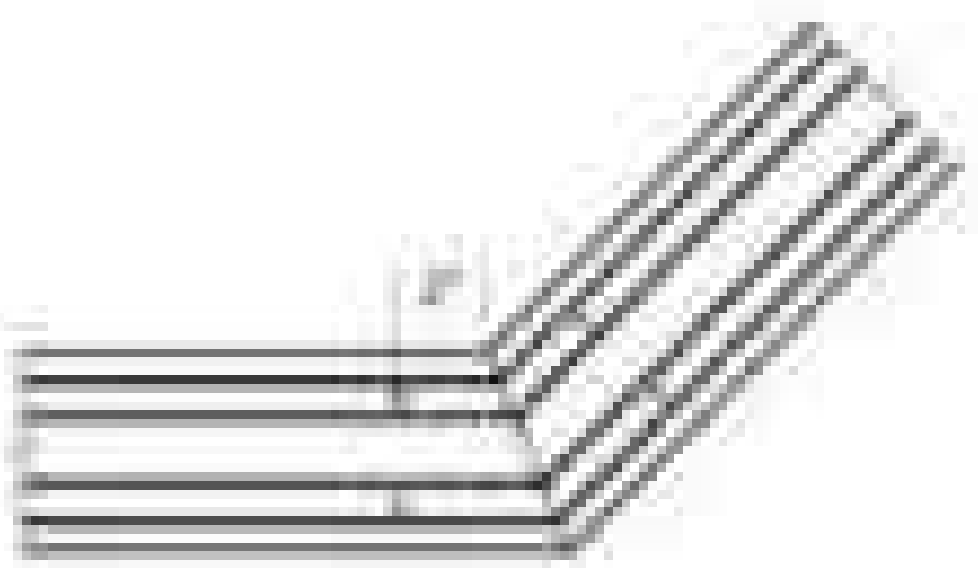
1	07/17/23	JMR

DESIGNED: JMR
DRAWN: ROSCOWSKI
CHECKED:

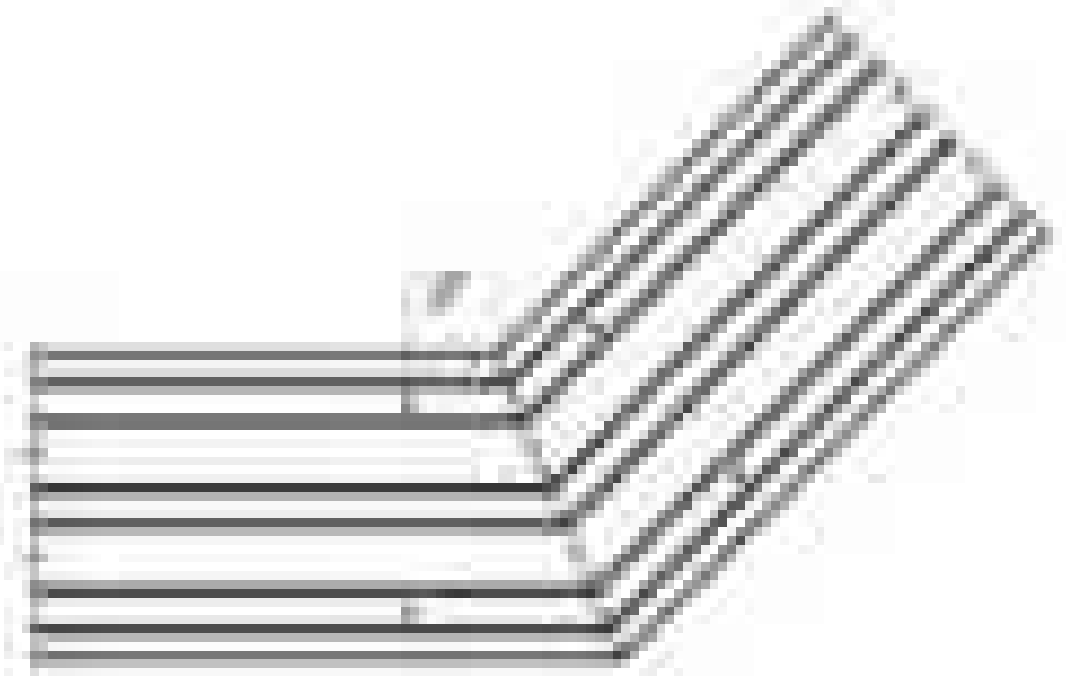
ALUMINUM SLIDING GLASS DOOR
ANCHOR SPACING

SCALE: NTS
SHEET # 3 OF 3

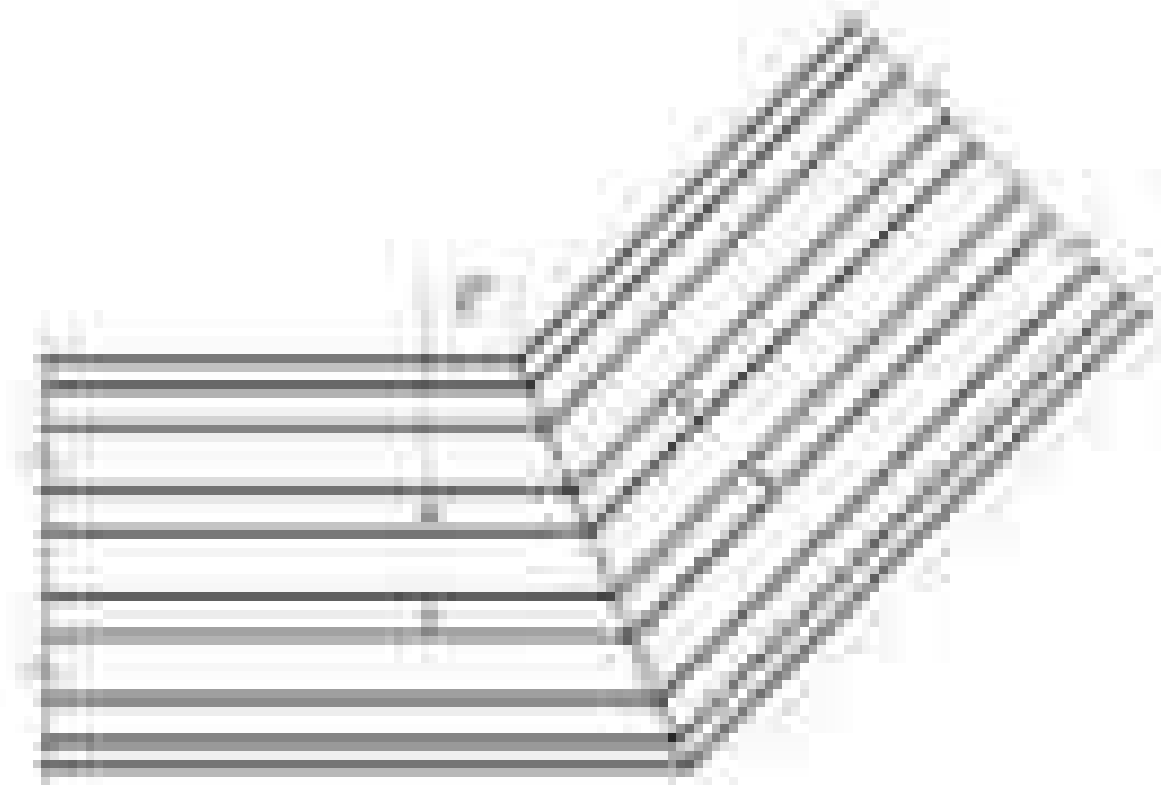




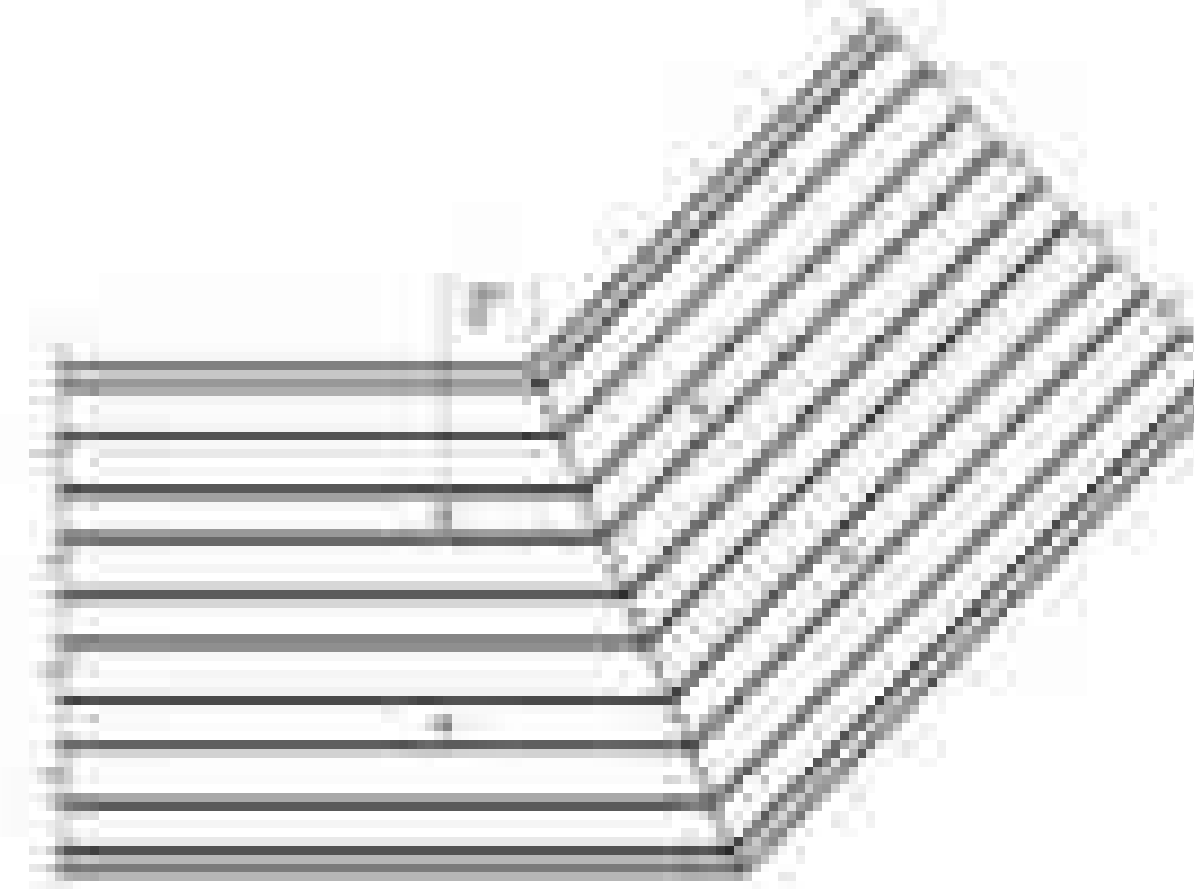
4 ANCHOR CLUSTER O.C.
2 TRACK, 135° UNIT



4 ANCHOR CLUSTER O.C.
3 TRACK, 135° UNIT



4 ANCHOR CLUSTER O.C.
4 TRACK, 135° UNIT



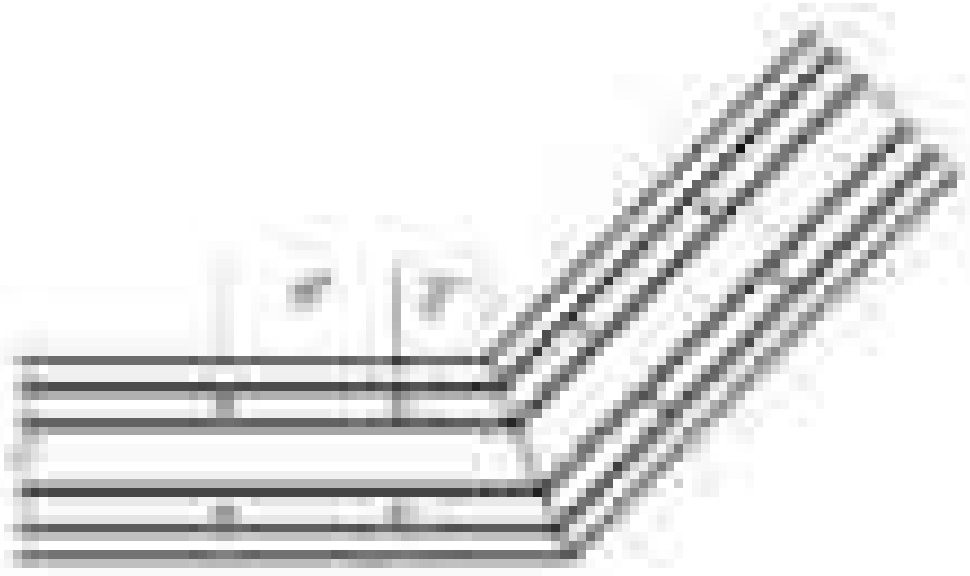
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5 TRACK, 135° UNIT

NOTES:

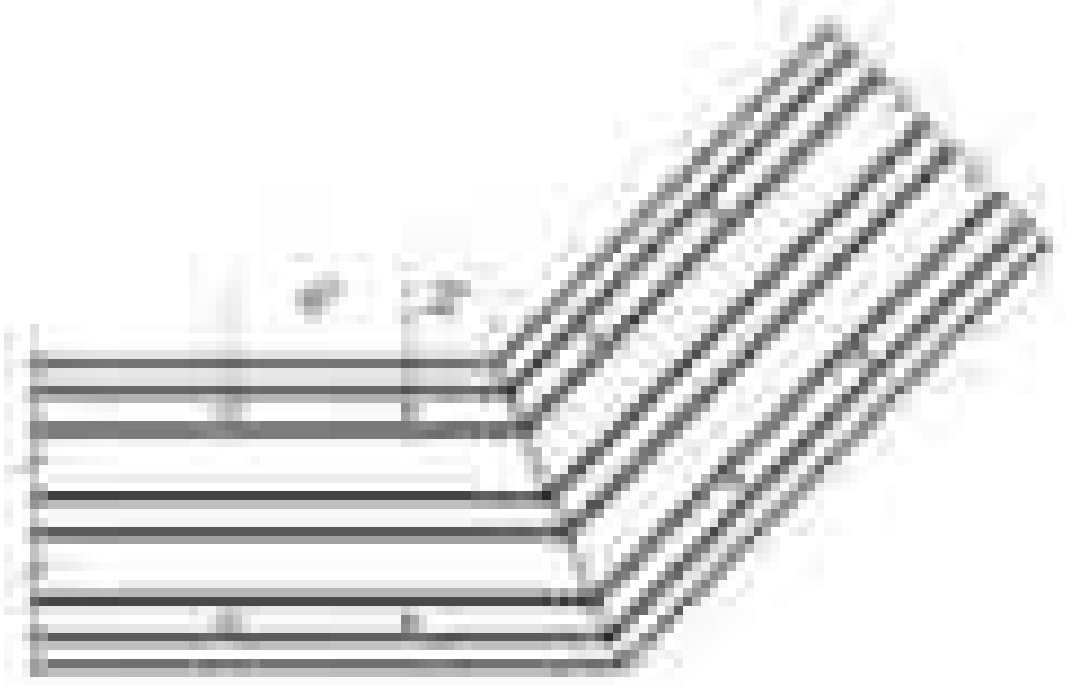
1) TYPICAL MAX O.C. DIMENSIONS SHOWN

2) CORNER TRACKS MAY BE INSIDE OR OUTSIDE

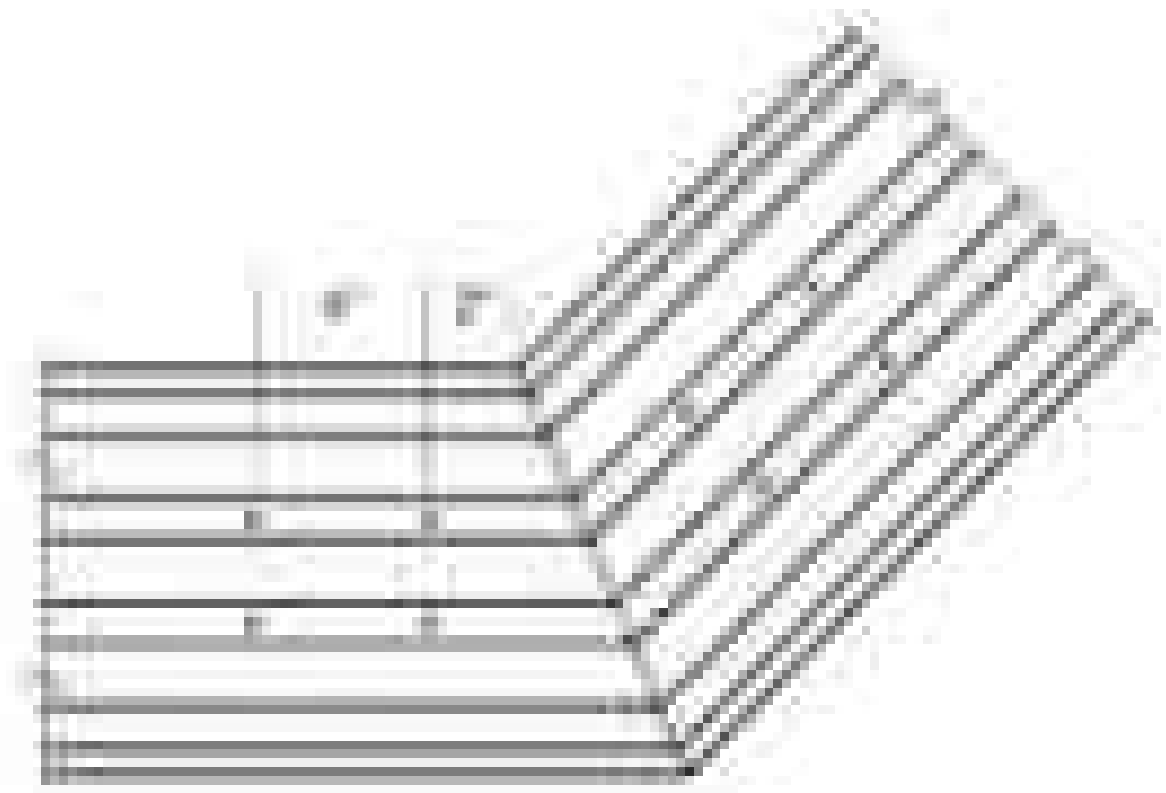
3) CORNER ANCHOR CLUSTERS WILL BE PUNCHED IN MULTIPLES OF 4. EQUAL NUMBERS OF ANCHORS WILL BE ON EACH SIDE OF THE CORNER MITER.



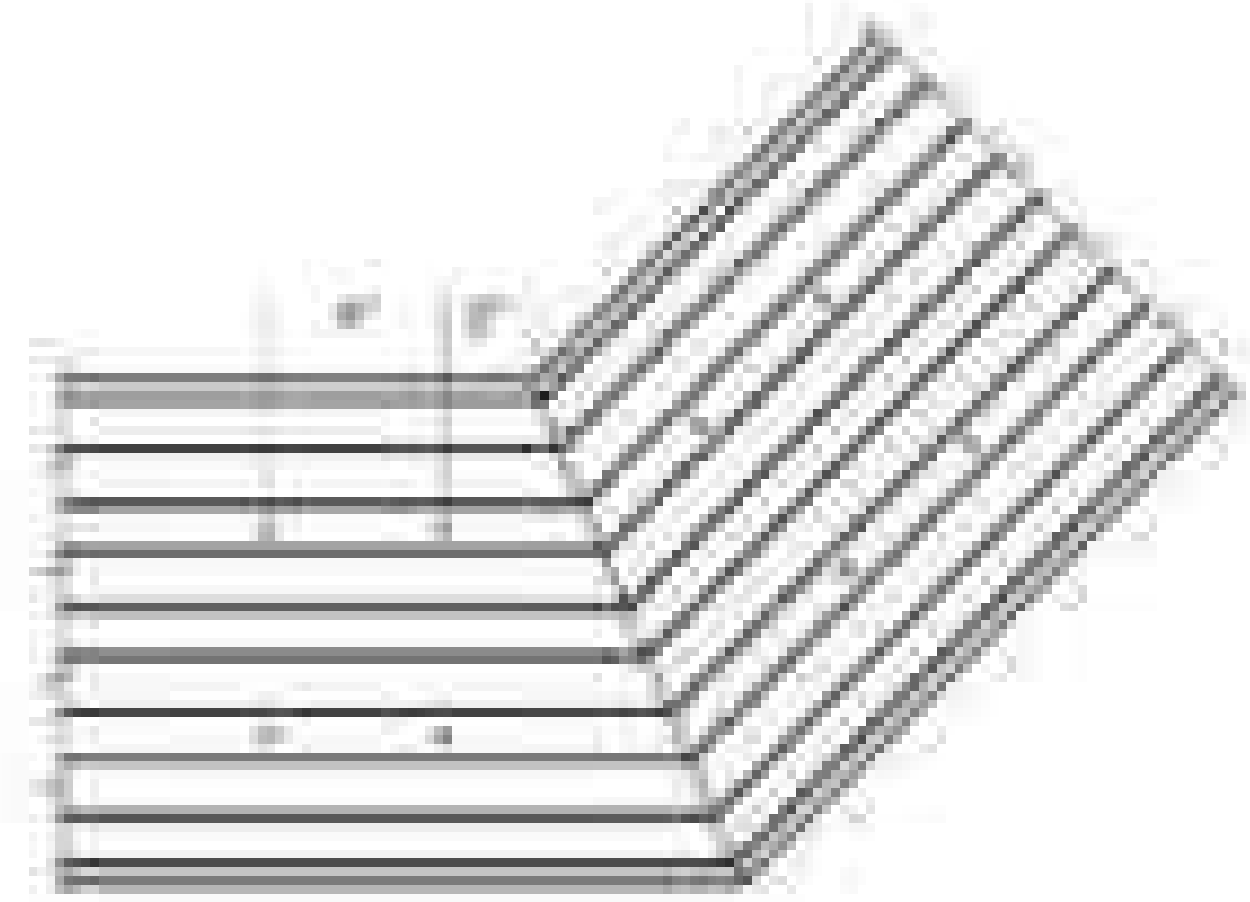
8 ANCHOR CLUSTER O.C.
2 TRACK, 135° UNIT



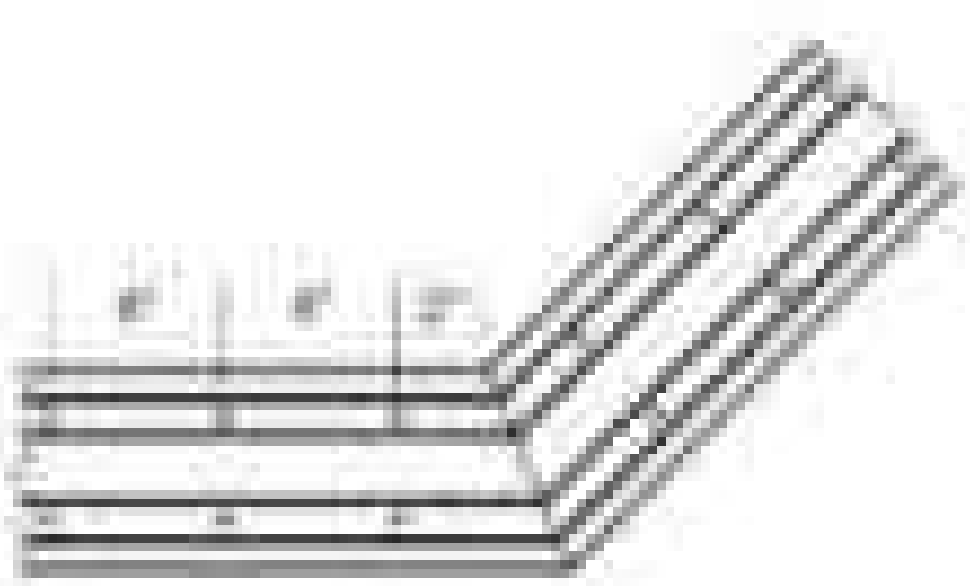
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3 TRACK, 135° UNIT



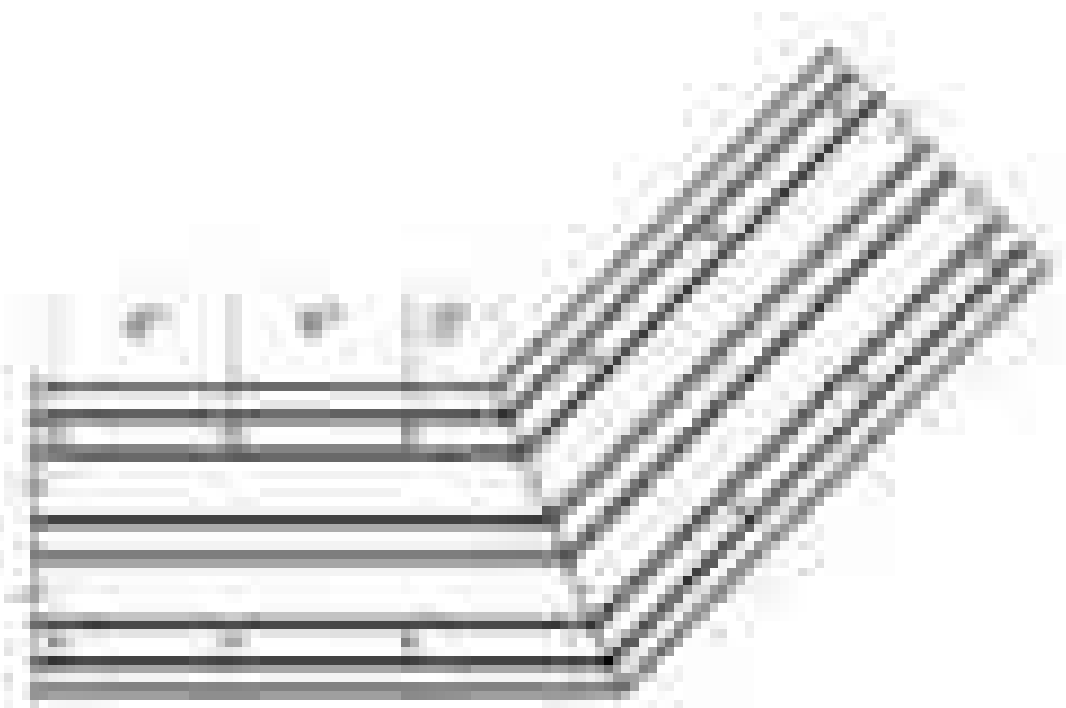
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4 TRACK, 135° UNIT



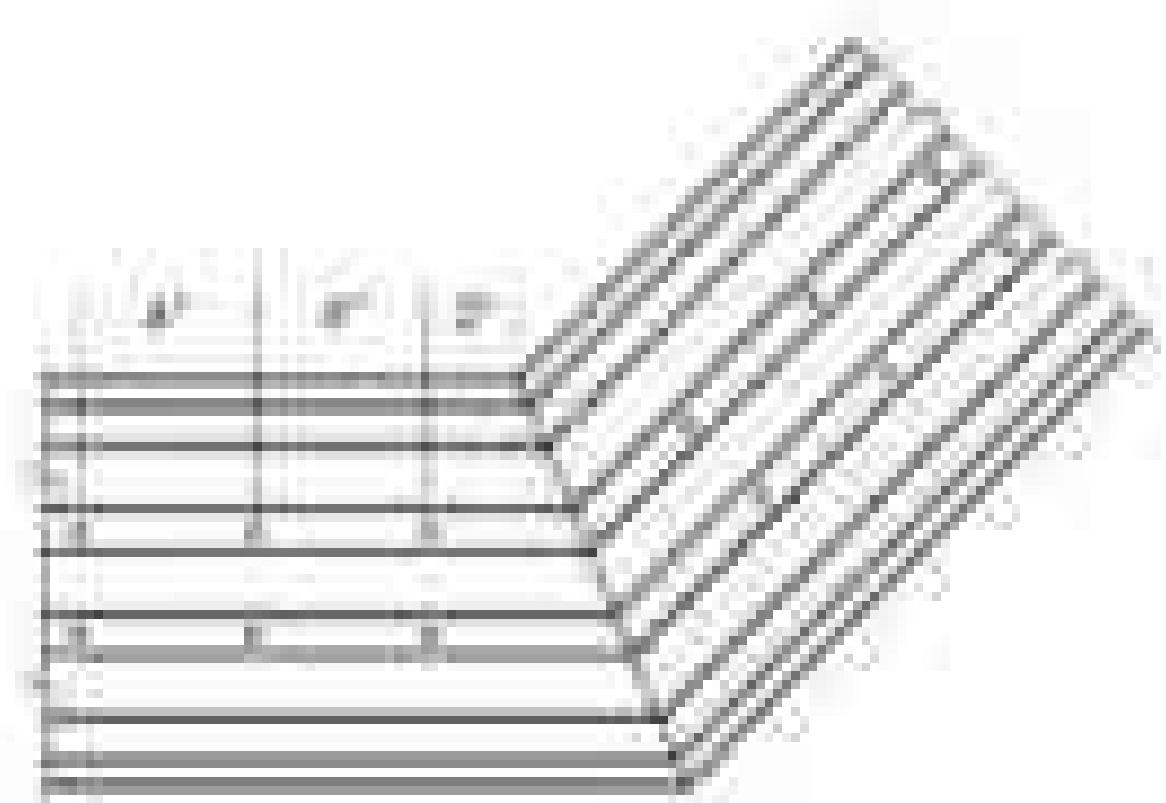
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5 TRACK, 135° UNIT



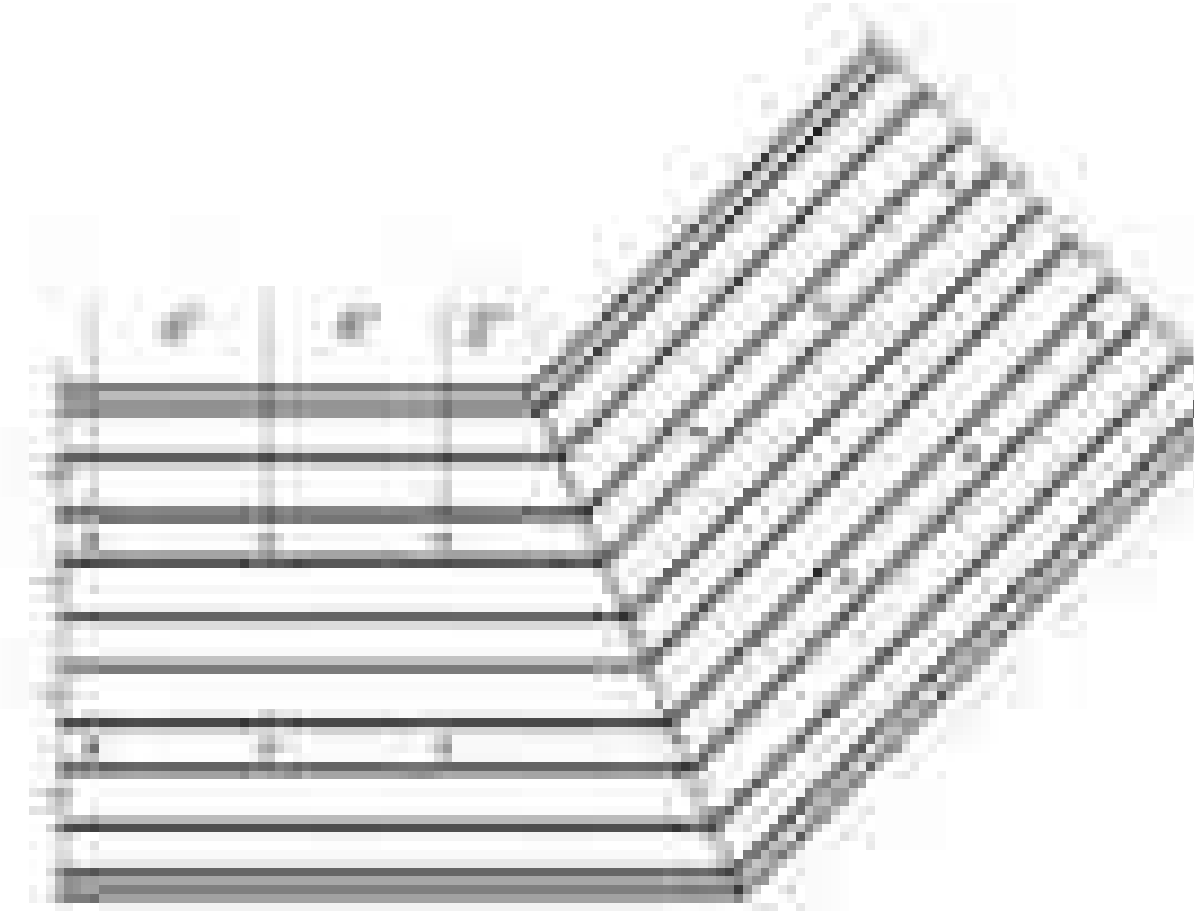
12 ANCHOR CLUSTER O.C.
2 TRACK, 135° UNIT



12 ANCHOR CLUSTER O.C.
3 TRACK, 135° UNIT



12 ANCHOR CLUSTER O.C.
4 TRACK, 135° UNIT



12 ANCHOR CLUSTER O.C.
5 TRACK, 135° UNIT

SEE "REVISIONS" SHEET 1-JR

ALUMINUM SLIDING GLASS DOOR (LM)

ANCHOR SPACING

JENS ROSOWSKI

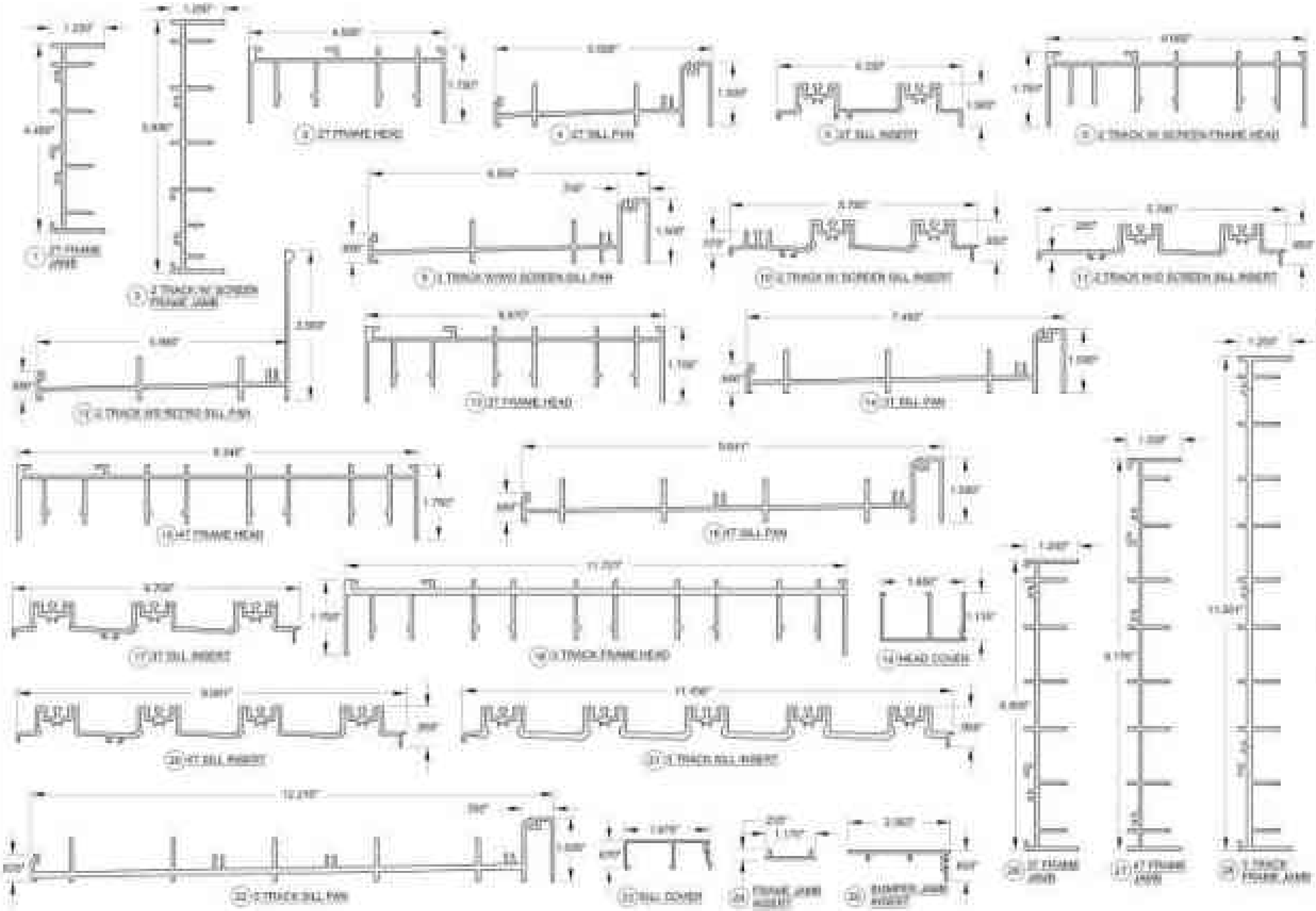
07/11/22

SGD8150A

32 OF 36

8150FPA.LM.3

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



SEE "REVISIONS" SHEET 1 JR

ALUMINUM SLIDING GLASS DOOR (LM)

EXTRUSIONS 1

JENS ROSOWSKI

8130FPA-LM-3

33 OF 35

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SEE REVISIONS SHEET A-R1 | 03/10/25 | F

(A) 1.25" DIA. RAIL BASE

(B) 2.00" DIA. RAIL BASE

(C) 3" RAIL BASE

(D) 3.50" DIA. RAIL BASE

(E) 4.13" DIA. RAIL BASE

(F) MALE BUTT STILE (LH)

(G) FEMALE BUTT STILE (LH)

(H) BUTT STILE INTERLOCK

(I) RABBITH INTERLOCK

(J) INTERLOCK REINFORCEMENT

(K) INTERLOCK STILE

(L) LOCK STILE

(M) 90° CORNER STILE

(N) 135° CORNER STILE

(O) TOP RAIL

(P) BOTTOM RAIL

(Q) BUTT STILE REINFORCEMENT

(R) 90° & 135° CORNER STILE REINFORCEMENT

(S) INTERNAL REINFORCEMENT

(T) INTERLOCK REINFORCEMENT

(U) BOOKLOCK REINFORCEMENT

(V) HARDEN INTERLOCK INSERT

(W) TALL BOTTOM RAIL

(X) 90° CORNER CLIP

(Y) 135° CORNER CLIP

(Z) PADDA STRIP

(AA) FLAIR STILE ADDON INTERLOCK (LH/RH)

(AB) FLAIR STILE ADDON INTERLOCK

(AC) 5/16" HORIZONTAL GLASS STOP

(AD) 5/16" VERTICAL GLASS STOP

(AE) PROTECTIVE WALL COVER

(AF) RUBBER STRIP WALL MOUNT

(AG) FIXED PANEL 2 CLIP

(AH) 1" HORIZONTAL GLASS STOP

(AI) 1" VERTICAL GLASS STOP

PREPARED BY & CONTACT INFO	
STATE PRODUCT APPROVAL NO.	
ENGINEER OF RECORD	
ADDRESS	
PHONE #	
EMAIL	
DRAWING TITLE	ALUMINUM SLIDING GLASS DOOR (LM)
DRAWING NO.	EXTRUSIONS 2
SCALE	3/8" = 1'-0"
DATE	02/11/25
REVISIONS	

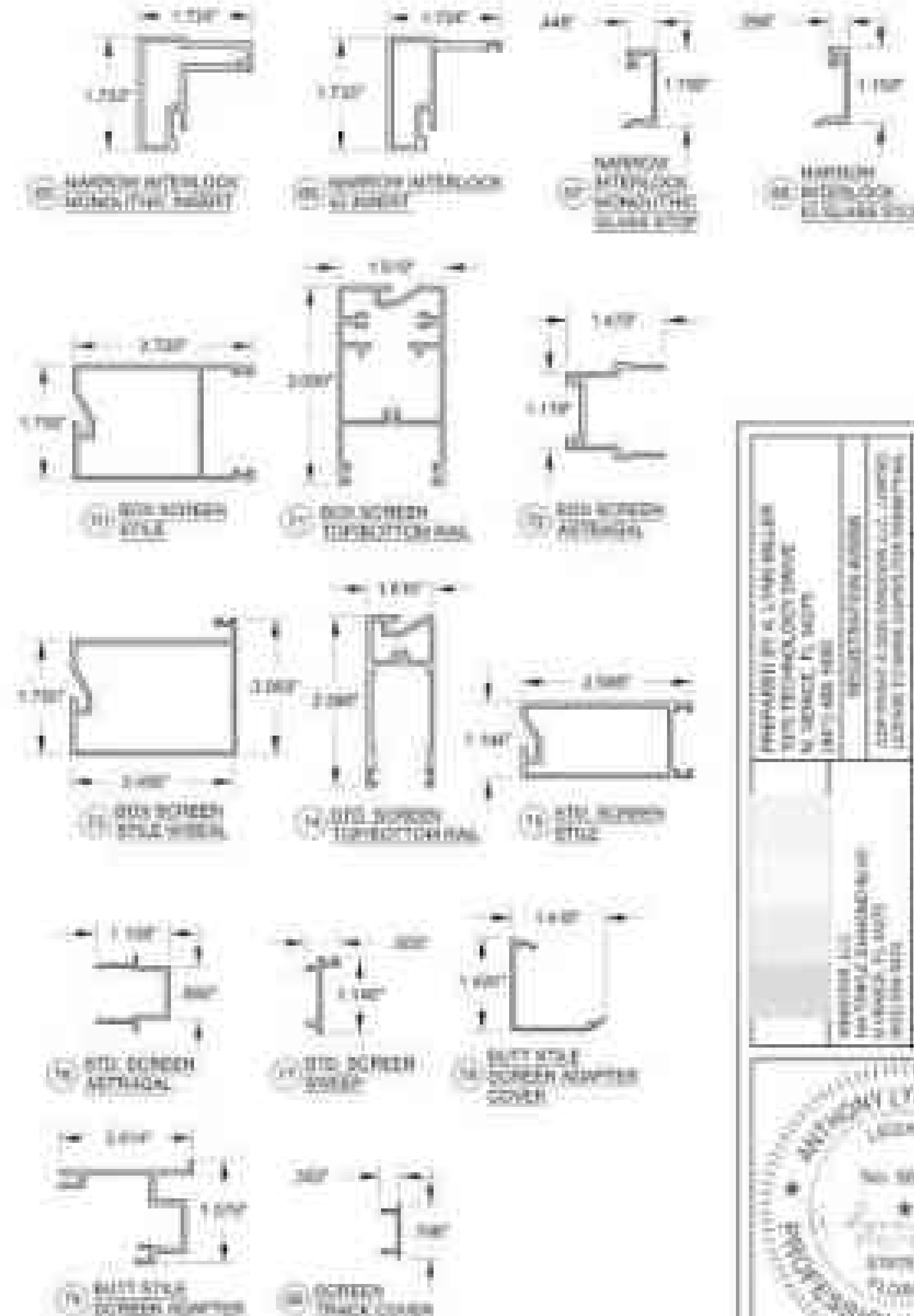
SERIES 950 | 34 OF 35 | R100FPA-LM3

MICHAEL LYNN MILLER LICENSE No. 66708 STATE OF FLORIDA PROFESSIONAL ENGINEER

TABLE D

ITEM #	PART #	DESCRIPTION	MATERIAL
[illegible]	[illegible]	[illegible]	[illegible]

ITEM #	PART #	DESCRIPTION	MATERIAL
[illegible]	[illegible]	[illegible]	[illegible]



SEE "REVISIONS" SHEET 1.JR

ALUMINUM SLIDING GLASS DOOR (LM)

BOM & EXTRUSIONS

JENS ROSOWSKI

35 OF 35

ANTHONY LYNN MILLER
PROFESSIONAL ENGINEER
STATE OF FLORIDA